Service Manual

TOP NEXT

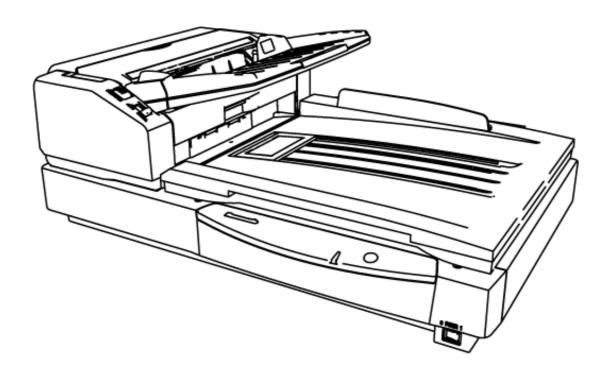
Order Number KM70401905C0

Category Number G14

Service Manual

High Speed Color Scanner

KV-S7065CSERIES



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⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

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1 GENERAL PRECAUTIONS

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- 1.1 Safety Precautions
- 1.2 Electrical Tests
- 1.3 For Service Technicians
- 1.4 About Lead Free Solder (PbF: Pb free)
- 1.4.1 Suggested Pb free solder

1.1 Safety Precautions

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- 1. Before servicing, unplug the power cord to prevent electrical shock hazard.
- 2. When replacing parts, user only manufacture s recommended components for safety.
- 3. Check the condition of power cord. Replace if wear or damage is evident.
- 4. After servicing, be sure to restore the lead dress, insulation barriers, insulation papers, shields, etc.
- 5. Before returning the serviced equipment to the customer, perform the following electrical tests to prevent shock hazard.

1.2 Electrical Tests

TOP PREVIOUS NEXT

- 1. Unplug the power cord and check for continuity between the earth ground connection on the plug and the metal cabinet. There should be zero ohm resistance found.
- 2. With the unit unplugged, short the AC Live-Neutral of the plug with a jumper wire.
- 3. Turn ON the power switch.
- 4. Measure the resistance value with an ohmmeter between the jumpered AC plug and each exposed metal cabinet part, such as screwheads, etc.

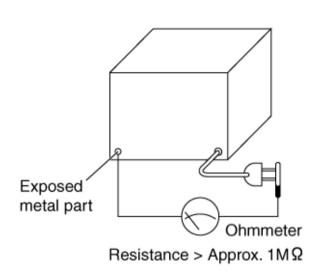
Note

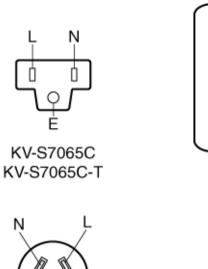
Some exposed parts may be isolated from the chassis by design. They read infinity.

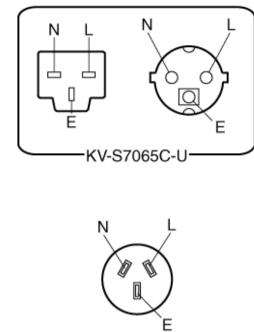
5. If the measurement is less than 1 M Ω , a possibility for electric shock may exit.

Note

This hazardous condition must be corrected before the unit is returned to the end user.







KV-S7065C-A KV-S7065CCN

1.3 For Service Technicians

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ICs and LSIs are vulnerable to static electricity.

When repairing, the following precautions will help to prevent recurring malfunctions.

- 1. Cover the plastic parts with aluminum foil.
- 2. Ground the soldering irons.
- 3. Use a conductive mat on the worktable.
- 4. Do not grasp IC or LSI pins with bare fingers.

1.4 About Lead Free Solder (PbF: Pb free)

TOP PREVIOUS NEXT

Note

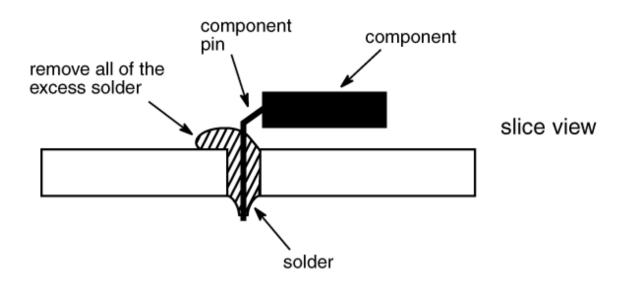
- In the information below, Pb, the symbol for lead in the periodic table of elements, will refer to standard solder or solder that contains lead.
- We will use PbF when discussing the lead free solder used in our manufacturing process which is made from Tin (Sn), Silver (Ag), and Copper (Cu).
- This model, and others like it, manufactured using lead free solder will have PbF stamped on the PCB. For service and repair work we suggest using the same type of solder although, with some precautions, standard Pb solder can also be used.

Distinction of PbF PCB

• PCBs (manufactured) using lead free solder will have a PbF stamp on the PCB.

Caution

- PbF solder has a melting point that is 50 ° 70 °F, (30 ° 40 °C) higher than Pb solder.
 - Please use a soldering iron with temperature control and adjust it to 700 ° ± 20 °F (370 ° ± 10 °C). In case of using high temperature soldering iron, please be careful not to heat too long.
- PbF solder will tend to splash if it is heated much higher than its melting point, approximately 1100 °F, (600 °C).
- If you must use Pb solder on a PCB manufactured using PbF solder, remove as much of the original PbF solder as possible and be sure that any remaining is melted prior to applying the Pb solder.
- When applying PbF solder to double layered boards, please check the component side for excess which may flow onto the opposite side (See figure, below)



1.4.1 Suggested Pb free solder

1.4.1 Suggested Pb free solder

TOP PREVIOUS NEXT

We recommend you to use the following solder when you re-solder components for repair. Before using other Pb free solder than the following solder, be sure to confirm a solder maker you appoint has made license agreements to be required when using Pb free solder legally.

Supplier: Senju Metal Industry Co., Ltd. (http://www.senju-m.co.jp)

Part Description in Senju: EcoSolder RMA02 P3 M705 Series

2 SPECIFICATIONS

Item				Model No.
				KV-S7065C Series*1
Scanner	Scanning face			Duplex
	Scanning method			CIS (Contact-type color Image Sensor): Front & Back sides and Flatbed Background: Black / White (switchable)
	Readout Speed	Flatb	ed	0.704 s (Letter, 200 dpi), 0.320 ms/line
		ADF		Black & White: 60 ppm/100 ipm (A4, 200 dpi) Color: 60 ppm/100 ipm (A4, 200 dpi)
	Resolution			Main scanning direction: 100~600 dpi (1 dpi step) Sub-scanning direction: 100~600 dpi (1 dpi step) Optical resolution is 600 dpi.
	Image output			Binary, Grayscale, Color, *4 MultiStreamTM (Binary and Color, Binary and Grayscale)
	Tonal gradation			Dither (64 step gradation), Error diffusion (64 step gradation), Grayscale (8 bit), Color (24 bit)
	Image control			Image emphasis, Dynamic threshold, Automatic separation, Multi-Color dropout, Mirror image, Noise reduction
	Other functions			Patch code detection (Kodak patch 2, 3, T), Double feed detection
	Paper	Size	For Flatbed	Maximum: ~297×432 mm (11.7 ×17.0)
			For ADF	48×70 mm (1.9 ×2.8) to 297×635 mm (11.7 ×25.0)
		Thickness For ADF		Single paper feeding: 0.05 to 0.15 mm (2.0 to 5.9 mils) Continuous paper feeding: 0.05 to 0.15 mm (2.0 to 5.9 mils) Note: 1 mil=1/1000 in.
		Weight For ADF		Single paper feeding: 40 to 127 g/m2 (10.6 to 34 lb.) Continuous paper feeding: 40 to 127 g/m2 (10.6 to 34 lb.) Business card: Thicker than 127 g/m2 (34lbs.) Note: 1 lb=3.75 g/m2
		Detection		Empty, Size, Jam, and Double-feed detection
	Interface			SCSI
				Ⅲ (20 MB/s, 50 pins High-Density) or USB2.0 (connector type: B)
	Hopper capacity	•		200 sheets [64 g/m2 (17 lb.)] or 150 sheets [75 g/m2 (20 lb.)]
Unit	External dimensions (Width × Depth × Height)			755×508×289 mm (29.7 ×20 ×11.4) Note: When the Document Cover is open, height is 510 mm (20.1).
	Weight			29 kg (64 lbs.)
	Power requirement			AC 100-120 V, 50/60 Hz *2 AC 220-240 V, 50/60 Hz *3
	Power	Maximum (Scanning)		1.5 A *2
	consumption			0.7 A *3
		Minimum		0.6 A *2

	I	(Ctandby)	
		(Standby)	0.3 A *3
		Sleep mode	8 W *2
			8 W *3
Environment	Operating tempe	erature and Humidity	Temperature: 15 °C to 30 °C (59 °F to 86 °F) Humidity: 30 % to 80 %RH
	Storage tempera	ature and Humidity	Temperature: 0 °C to 35 °C (32 °F to 95 °F) Humidity: 10 % to 80 %RH
Accessories			Installation manual, Maintenance manual, AC cable, USB cable, Blower, Cleaning paper, Shading paper, CD [ISIS Driver, TWAIN Driver, Capture software (RTIV), Operation manual, P.I.E. manual, RTIV manual, Control sheetimages, User Utility, User Utility Manual]
PbF (Pb Free)			Applied to PCB assemblies CONTROL, INTERFACE, PANEL, DRIVE, POWER, SIZE DETECTOR, HOPPER HOME DETECTOR, HOPPER RELAY, DOCUMENT COVER DETECTOR, CARRIAGE HOME DETECTOR, OUTER CONVEYOR RELAY, STARTING SENSOR, WAITINGSENSOR, ENDING SENSOR, CARRIAGE RELAY, SENSOR RELAY, POWER RELAY, and CIS RELAY Boards for KV-S7065C Series. Note: Distinction of PbF PCB PCBs (manufactured) using lead free solder will have a PbF stamp on the PCB.
Option			Roller exchange kit (KV-SS015) Roller cleaning paper (KV-SS03) Pre-imprinter (KV-SS014) Ink Cartridge (KV-SS021)

Note:

*1: KV-S7065C Series

• KX-S7065C

: for U.S.A. and Canada

KX-S7065C-U

: for Europe

• KX-S7065C-A

: for Australia

• KX-S7065C-T

: for Taiwan

SERIAL No. shown on the name plate on each scanner will distinguish the destinations for each area as follows.

- 1. SERIAL No. for U.S.A. and Canada → 723 xxxx xxxx
- 2. SERIAL No. for Europe \rightarrow 732 xxxx xxxx
- 3. SERIAL No. for Australia → 733 xxxx xxxx
- 4. SERIAL No. for Taiwan → 734 xxxx xxxx

(x: Don t care)

• KX-S7065CCN

: for China

SERIAL No. for China → 735 xxxx xxxx

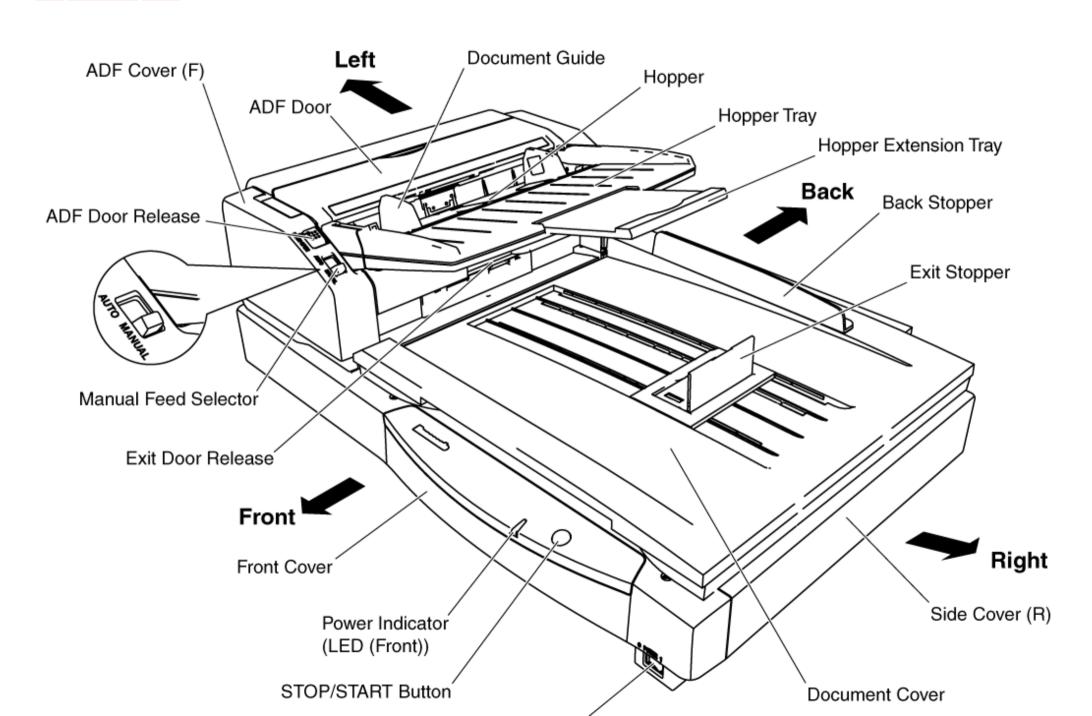
(x: Don t care)

*2For KV-S7065C/S7065C-T

*3For KV-S7065C-U/S7065CCN/S7065C-A

*4MultiStream is TM of Pixel Translations (a division of Action Point Inc.)

3 COMPONENT IDENTIFICATION



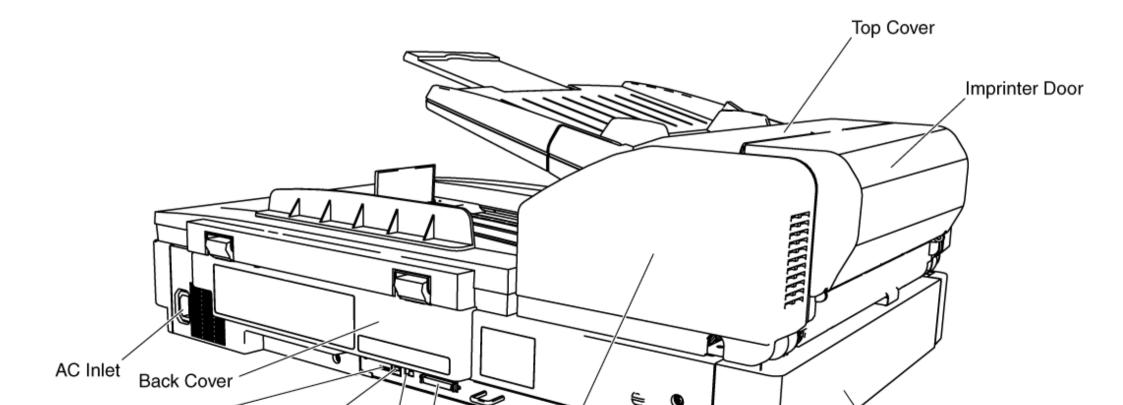
Power Switch

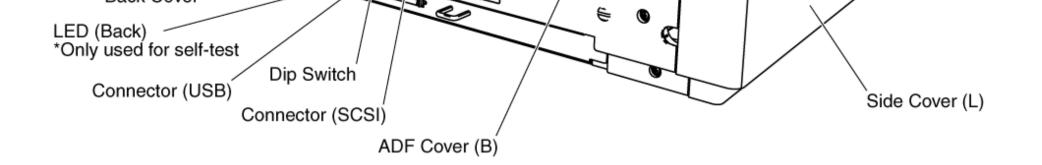
Power Indicator: for showing scanner status

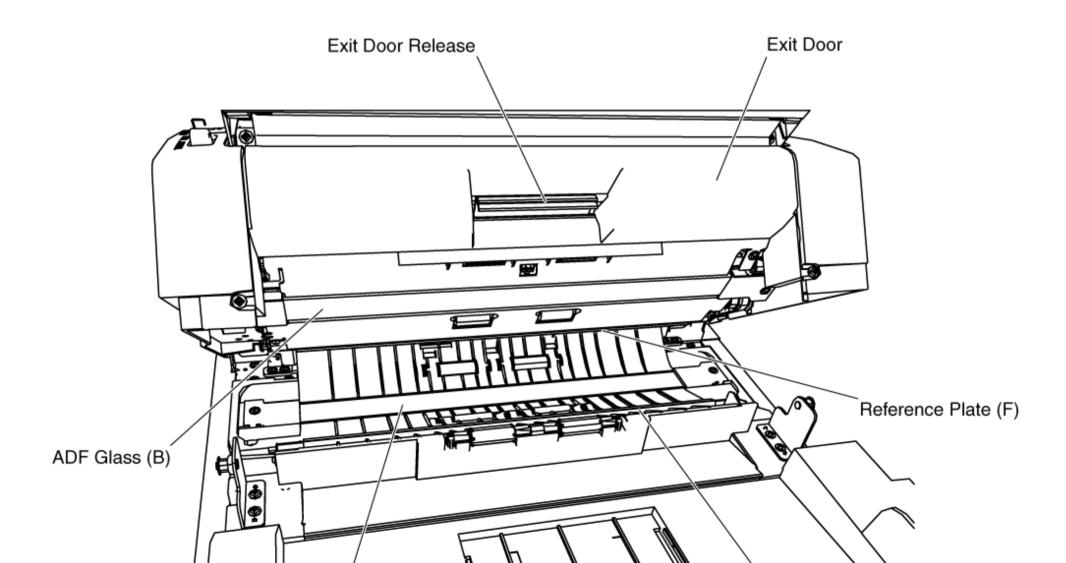
Color	ON	Flashing
Green	1. Ready 2. Scanning	Sleeping
Orange	*1. Ready with warning *2. Scanning with warning	Initializing *2. Sleeping with warning Shading
Red	An error	System error

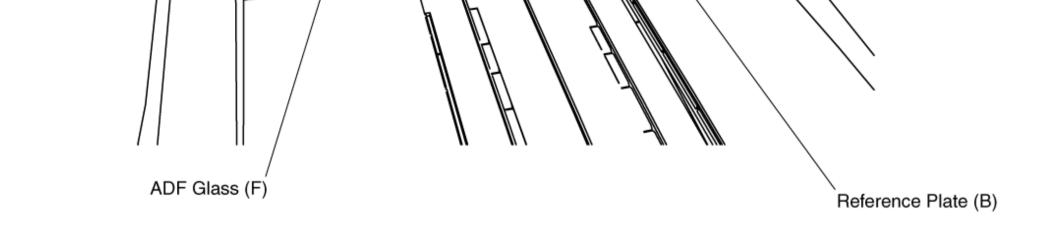
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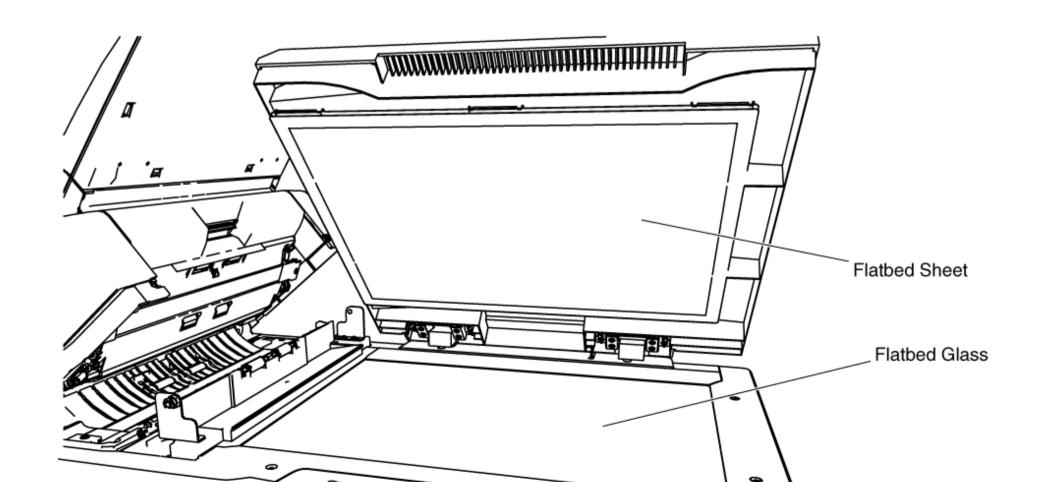
*Warning error: Clean roller or replace roller

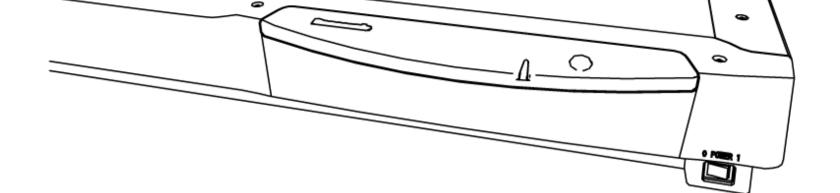












4 INSTALLATION

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- 4.1 Minimum Space Requirements
- 4.2 Installing Hopper Tray
- 4.3 DIMM Module Extension
- 4.4 Installing DIMM Module
- 4.5 Setting
- 4.5.1 SCSI
- 4.6 Connecting the Scanner to a Personal Computer
- 4.6.1 SCSI connection
- 4.6.2 USB Connection
- 4.7 System Requirements

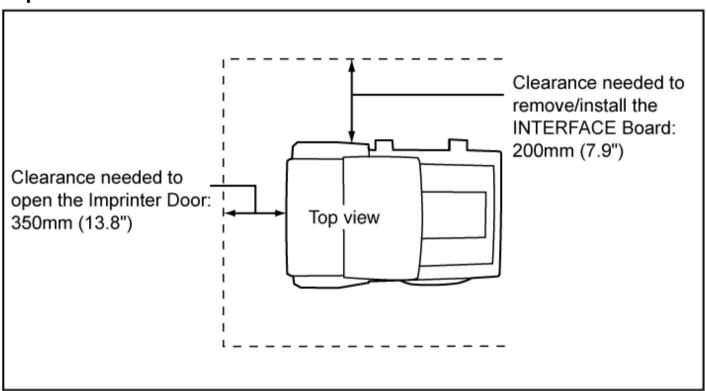
4.1 Minimum Space Requirements

TOP PREVIOUS NEXT

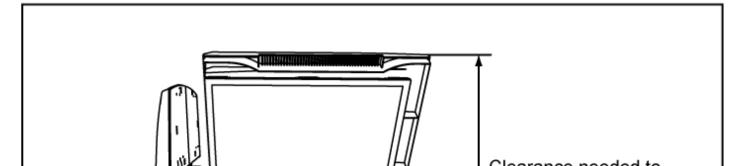
Be sure to maintain the recommended space requirements for proper ventilation.

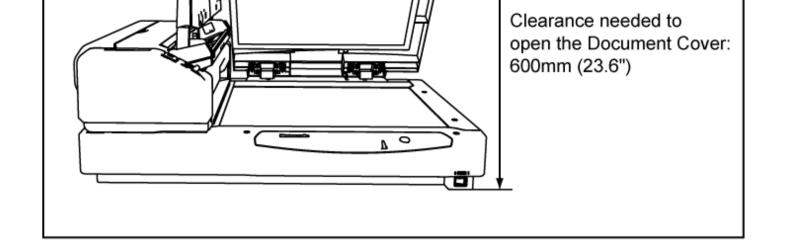
Fig. 4.1.1 Dimensions for proper ventilation

Top View



Front View



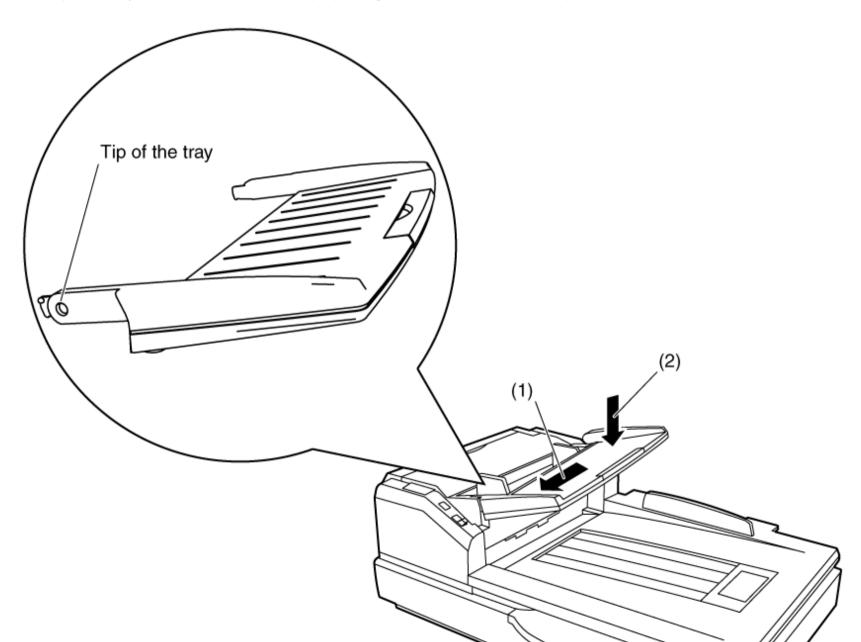


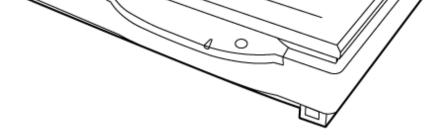
4.2 Installing Hopper Tray

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Take out the Hopper tray in the accessory carton box, and hang the tip of the tray to one side at first.

And hang the other side tip of the tray in the direction of the arrow (2), pushing it the direction of the arrow (1) to attach it.





4.3 DIMM Module Extension

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A maximum of 512MB extended memory may be required depending on the combination of the paper size, mode, and resolution.

To determine how much extended memory is required on each condition, refer to Fig.4.3.1 and Fig.4.3.2.

Note:

Under any scanning conditions shown in the Fig.4.3.1 and Fig.4.3.2, image scanning with no additional memory will be done by using START/STOP operation except for Compatible Mode on 9.3.5 although scanning speedgoes down.

(Recommended DIMM)

- JEDEC-standard 168pin, dual in-line memory module (DIMM)
- Single +3.3 V±0.3 V power supply
- Frequency / CAS Latency: 100 MHz / CL=2, 133 MHz / CL=2, 133 MHz / CL=3
- 64MB, 128MB, 256MB, or 512MB may be used.

Note:

Originally, INTERFACE Board has 64MB memory as the basis.

Fig.4.3.1 Additional memory size-1 (Simplex)

(Unit: MB)

*1:297×635 mm (11.7 ×25.0)

Mode	Size	dpi					
		100	200	300	400	500	600
Binary	*1 SC s Max	0	0	0	0	0	0
	Double Letter	0	0	0	0	0	0
	Legal	0	0	0	0	0	0
	Letter	0	0	0	0	0	0

	A3	0	0	0	0	0	0
	A4	0	0	0	0	0	0
	A5	0	0	0	0	0	0
	A6	0	0	0	0	0	0
	B4	0	0	0	0	0	0
	B5	0	0	0	0	0	0
	B6	0	0	0	0	0	0
8 bit Gray	*1 SC s Max	0	0	0	0	64	64
	Double Letter	0	0	0	0	0	64
	Legal	0	0	0	0	0	0
	Letter	0	0	0	0	0	0
	A3	0	0	0	0	0	64
	A4	0	0	0	0	0	0
	A5	0	0	0	0	0	0
	A6	0	0	0	0	0	0
	B4	0	0	0	0	0	0
	B5	0	0	0	0	0	0
	B6	0	0	0	0	0	0
24 bit Color	*1 SC s Max	0	0	64	128	256	256
	Double Letter	0	0	0	64	128	256
	Legal	0	0	0	0	64	64
	Letter	0	0	0	0	64	64
	A3	0	0	0	64	128	256
	A4	0	0	0	0	64	64
	A5	0	0	0	0	0	0
	A6	0	0	0	0	0	0
	B4	0	0	0	64	64	128
	B5	0	0	0	0	0	64
	B6	0	0	0	0	0	0

Fig.4.3.2 Additional memory size-2 (Duplex)

(Unit: MB)

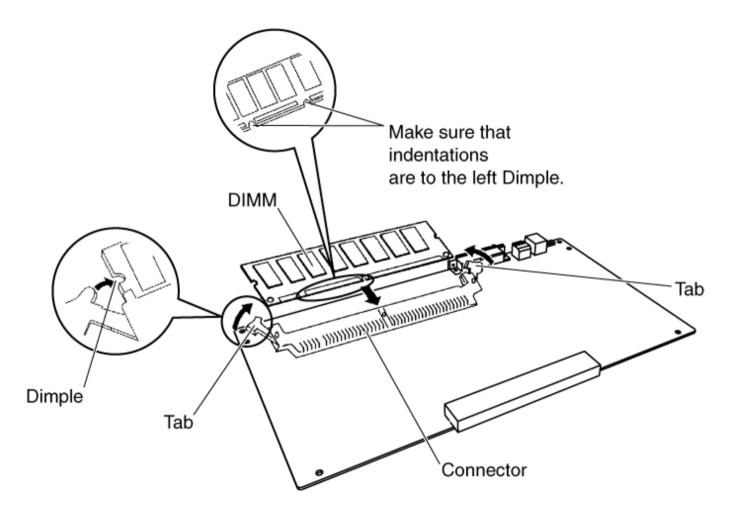
*1:297×635 mm (11.7 ×25.0)

Mode	Size	dpi						
		100	200	300	400	500	600	
Binary	*1 SC s Max	0	0	0	0	0	0	

Double Letter O O O O O O O								
Letter		Double Letter	0	0	0	0	0	0
A3		Legal	0	0	0	0	0	0
A4 0 0 0 0 0 0 0 0 0 0 0 A5 A5 0 0 0 0 0 0		Letter	0	0	0	0	0	0
A5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		A3	0	0	0	0	0	0
A6 0 0 0 0 0 0 0 0 0 0 0 0 0 B4 0 0 0 0 0		A4	0	0	0	0	0	0
B4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 B5 0 0 0 0		A5	0	0	0	0	0	0
B5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		A6	0	0	0	0	0	0
B6		B4	0	0	0	0	0	0
Solit Gray		B5	0	0	0	0	0	0
Double Letter O O O O 64 128 Legal O O O O O O 64 Letter O O O O O O 64 A3 O O O O O O O 64 A4 O O O O O O O A6 O O O O O O O B4 O O O O O O O B6 O O O O O O O C4 bit Color *1 SC s Max O 64 128 256 512 Legal O O O 64 128 256 512 Legal O O O O O O O O Letter O O O O O O O O A4 O O O O O O O O A5 O O O O O O O B4 O O O O O O O B4 O O O O O O O B5 O O O O O O O B6 O O O O O O O B7 O O O O O O O B8 O O O O O O O B9 O		B6	0	0	0	0	0	0
Legal 0 0 0 0 0 0 0 64 Letter 0 0 0 0 0 0 0 64 A3 0 0 0 0 0 0 64 128 A4 0 0 0 0 0 0 0 0 64 A5 0 0 0 0 0 0 0 0 0 A6 0 0 0 0 0 0 0 0 B4 0 0 0 0 0 0 0 0 0 B4 0 0 0 0 0 0 0 0 B6 0 0 0 0 0 0 0 0 B6 0 0 0 0 0 0 0 0 B6 0 0 0 0 0 0 0 0 24 bit Color *1 SC s Max 0 64 128 256 512 Legal 0 0 0 64 128 256 512 Legal 0 0 0 64 128 256 512 Legal 0 0 0 64 128 256 512 A4 0 0 0 64 128 256 512 A4 0 0 0 64 128 256 512 A5 0 0 0 0 64 128 256 512 A6 0 0 0 0 0 64 64 B6 0 0 0 0 0 64 64 B6 0 0 0 0 0 64 64	8 bit Gray	*1 SC s Max	0	0	0	64	128	256
Letter		Double Letter	0	0	0	0	64	128
A3		Legal	0	0	0	0	0	64
A4 0 0 0 0 0 0 0 64 A5 0 0 0 0 0 0 0 0 A6 0 0 0 0 0 0 0 0 B4 0 0 0 0 0 0 0 0 B5 0 0 0 0 0 0 0 0 B6 0 0 0 0 0 0 0 0 B6 0 0 0 0 0 0 0 0 B6 0 0 0 0 0 0 0 0 C4 bit Color *1 SC s Max 0 64 128 256 512 - C5 Double Letter 0 0 64 128 256 512 Legal 0 0 0 64 128 256 512 Letter 0 0 0 64 128 256 512 A4 0 0 0 64 128 256 512 A4 0 0 0 64 128 256 A5 0 0 0 0 64 128 256 A6 0 0 0 0 0 64 64 A6 0 0 0 0 64 128 256 B5 0 0 0 64 64 128 256		Letter	0	0	0	0	0	64
A5 0 0 0 0 0 0 0 0 0 0 0 0 A6 0 0 A6 0 0 0 0		A3	0	0	0	0	64	128
A6		A4	0	0	0	0	0	64
B4 0 0 0 0 0 64 64 B5 0 0 0 0 0 0 0 B6 0 0 0 0 0 0 24 bit Color *1 SC s Max 0 64 128 256 512 - Double Letter 0 0 64 128 256 512 Legal 0 0 0 64 128 256 512 Letter 0 0 0 64 128 256 512 A3 0 0 64 128 256 512 A4 0 0 0 64 128 256 512 A4 0 0 0 64 128 256 A5 0 0 0 0 0 64 64 A6 0 0 0 0 0 64 128 256 B4 0 0 64 128 256 256 B5 0 0 0 64 64 128		A5	0	0	0	0	0	0
B5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		A6	0	0	0	0	0	0
B6 0 0 0 0 0 0 0 0 24 bit Color *1 SC s Max 0 64 128 256 512 - Double Letter 0 0 64 128 256 512 Legal 0 0 0 64 128 256 Letter 0 0 0 64 128 256 A3 0 0 64 128 256 512 A4 0 0 0 64 128 256 A5 0 0 0 0 64 128 256 A6 0 0 0 0 0 64 64 A6 0 0 0 64 128 256 256 B5 0 0 0 64 64 128 256 256		B4	0	0	0	0	64	64
24 bit Color *1 SC s Max 0 64 128 256 512 - Double Letter 0 0 64 128 256 512 Legal 0 0 0 64 128 256 Letter 0 0 0 64 128 256 A3 0 0 64 128 256 512 A4 0 0 0 64 128 256 512 A5 0 0 0 0 64 128 256 A6 0 0 0 0 0 0 0 B4 0 0 64 128 256 256 B5 0 0 0 64 64 128		B5	0	0	0	0	0	0
Double Letter 0 0 64 128 256 512 Legal 0 0 0 64 128 256 Letter 0 0 0 64 128 256 A3 0 0 64 128 256 512 A4 0 0 0 64 128 256 A5 0 0 0 0 64 64 A6 0 0 0 0 0 0 B4 0 0 64 128 256 256 B5 0 0 0 64 64 128		B6	0	0	0	0	0	0
Legal 0 0 0 64 128 256 Letter 0 0 0 64 128 256 A3 0 0 64 128 256 512 A4 0 0 0 64 128 256 A5 0 0 0 0 64 64 A6 0 0 0 0 0 0 B4 0 0 64 128 256 256 B5 0 0 0 64 64 128	24 bit Color	*1 SC s Max	0	64	128	256	512	-
Letter 0 0 0 64 128 256 A3 0 0 64 128 256 512 A4 0 0 0 64 128 256 A5 0 0 0 0 64 64 A6 0 0 0 0 0 0 B4 0 0 64 128 256 256 B5 0 0 0 64 64 128		Double Letter	0	0	64	128	256	512
A3 0 0 64 128 256 512 A4 0 0 0 64 128 256 A5 0 0 0 0 64 64 A6 0 0 0 0 0 0 B4 0 0 64 128 256 256 B5 0 0 0 64 64 128		Legal	0	0	0	64	128	256
A4 0 0 0 64 128 256 A5 0 0 0 0 64 64 A6 0 0 0 0 0 0 B4 0 0 64 128 256 256 B5 0 0 0 64 64 128		Letter	0	0	0	64	128	256
A5 0 0 0 0 64 64 A6 0 0 0 0 0 0 0 B4 0 0 64 128 256 256 B5 0 0 0 64 64 128		A3	0	0	64	128	256	512
A6 0 0 0 0 0 0 B4 0 0 64 128 256 256 B5 0 0 0 64 64 128		A4	0	0	0	64	128	256
B4 0 0 64 128 256 256 B5 0 0 0 64 64 128		A5	0	0	0	0	64	64
B5 0 0 0 64 64 128		A6	0	0	0	0	0	0
		B4	0	0	64	128	256	256
B6 0 0 0 0 64		B5	0	0	0	64	64	128
		B6	0	0	0	0	0	64

4.4 Installing DIMM Module

- 1. Remove INTERFACE Board. (See 8.2.8.)
- 2. Insert the DIMM Module into connector (CN2007) on the INTERFACE Board, and raise the tabs at the both ends of the connector until they lock into place.



4.5 Setting

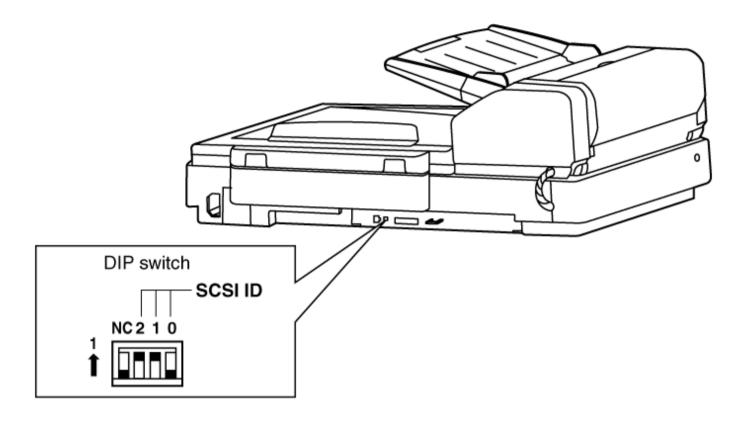
TOP PREVIOUS NEXT

4.5.1 SCSI

4.5.1 SCSI

TOP PREVIOUS NEXT

When connecting this scanner to PC via SCSI interface, perform the SCSI ID setting as follows.



SCSI ID Setting

ID No.	Switch			Remarks		
	#2	#1	#0			
0	0	0	0			
1	0	0	1			
2	0	1	0			
3	0	1	1			
4	1	0	0			
5	1	0	1			
6	1	1	0	Factory Default		

4.6 Connecting the Scanner to a Personal Computer

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Connect either USB or SCSI interface cable at a time.

Note:

Windows NT supports only SCSI interface.

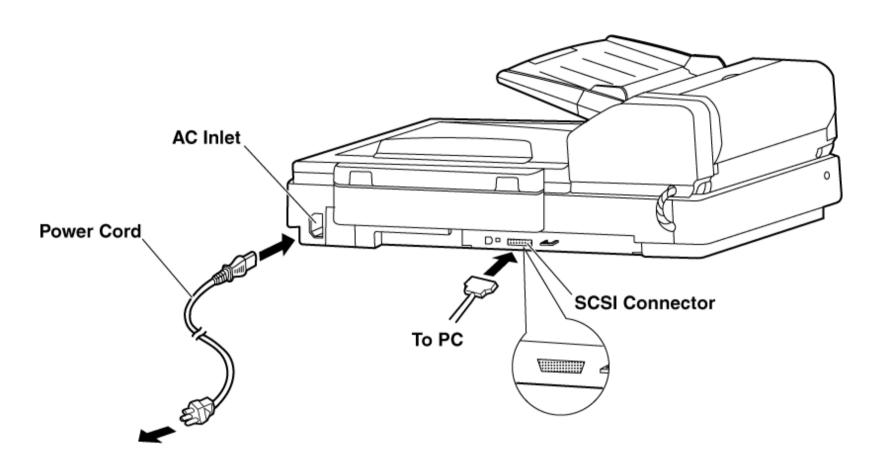
4.6.1 SCSI connection

4.6.2 USB Connection

4.6.1 SCSI connection

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Fig.4.6.1



Note:

Power Cord shown on the Fig.4.6.1 is for AC100-120 V.

Caution:

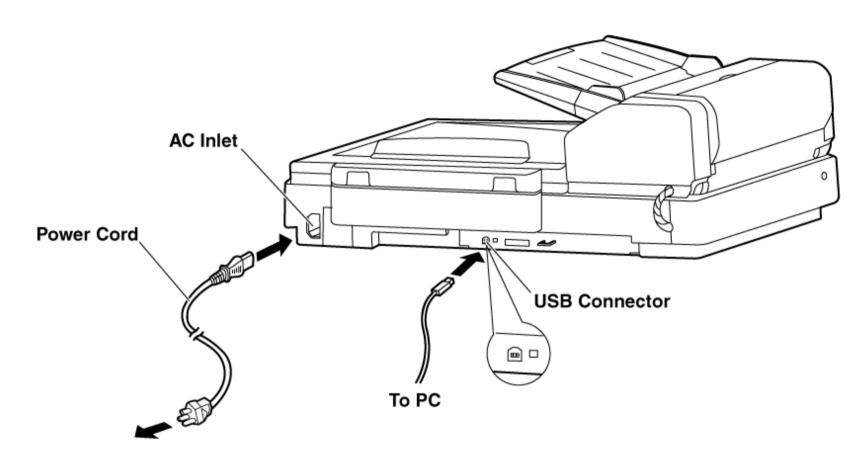
- 1. Use the Power Cord that is supplied by the scanner manufacturer.
- 2. Use SCSI cables as short as possible, securing SCSI specification.

3. After turning off the scanner and PC, remove SCSI cables.

4.6.2 USB Connection

TOP PREVIOUS NEXT

Fig.4.6.2



Note:

Power Cord shown on the Fig.4.6.2 is for AC100 V-120 V.

Caution:

- 1. Use the Power Cord that is supplied by the scanner manufacturer.
- 2. Use a USB interface cable that is certified as Hi-Speed logo by USB-IF.

4.7 System Requirements

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When using the scanner, the required personal computer conditions are as follows.

		00010					
		SCSI Connection	USB Connection				
CPU		Minimum: Pentium					
		III, 1 GHz Recommended: Pentium 4, 2 GHz or higher					
Memory		Minimum: 256MB Recommended: 512MB or more					
OS		Windows® 98 Windows NT® 4.0 Windows® 2000 Windows® Me Windows® XP	Windows® 98 Windows® 2000 Windows® Me Windows® XP				
Display	Resolution	1,024×768 dots or more					
	Colors	65,536 colors or more					
Interface		SCSI	USB2.0				
		Recommended SCSI Board Adaptec SCSI Board 2930U/2940U/29160N/19160					

Note 1:

- 1. This system requires 1 GB free space of HDD in the personal computer at least.
- A color scanning beyond the conditions of A3 Size and 600 dpi may not be executed, based on Windows 98 or Windows Me.
 And even based on another OS, a high resolution scanning may not be done.
- 3. The scanning speed differs depending on the personal computer s operating environment or application.
- 4. Be sure to connect the scanner directly to the USB interface port on PC. We cannot guarantee that the scanner will work properly if it is connected to a USB hub.
- 5. A daisy-chain connection to the SCSI interface may not allow the scanner to realize the high speed scanning.

6. When using Windows NT, be sure to install the ASPI layer software that the SCSI Board s vender provides.

Note 2:

- Windows® 98 is Microsoft® Windows® 98 operating system.
- Windows® Me is Microsoft® Windows® Me operating system.
- Windows NT® is Microsoft® Windows NT® operating system.
- Windows® 2000 is Microsoft® Windows® 2000 operating system.
- Windows® XP is Microsoft® Windows® XP operating system.
- Microsoft®, Windows® and Windows NT® are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.
- Pentium® is a registered trademark of Intel Corporation.
- Each company s name or company product name is each company s trademark or registered trademark.

5 SECTIONAL VIEWS

TOP PREVIOUS NEXT

5.1 CIS (Contact Image Sensor)

5.2 Rollers

5.3 Drive Belts

5.4 Boards

5.4.1 ADF Block

5.4.2 Flatbed Block and others

5.1 CIS (Contact Image Sensor)

TOP PREVIOUS NEXT

5.2 Rollers

TOP PREVIOUS NEXT

5.3 Drive Belts

TOP PREVIOUS NEXT

5.4 Boards

TOP PREVIOUS NEXT

5.4.1 ADF Block

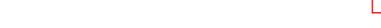
5.4.2 Flatbed Block and others

5.4.1 ADF Block

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5.4.2 Flatbed Block and others

TOP PREVIOUS NEXT



Note:

*1CARRIAGE HOME DETECTOR Board is not included in the CIS Carriage, but is located under the carriage.

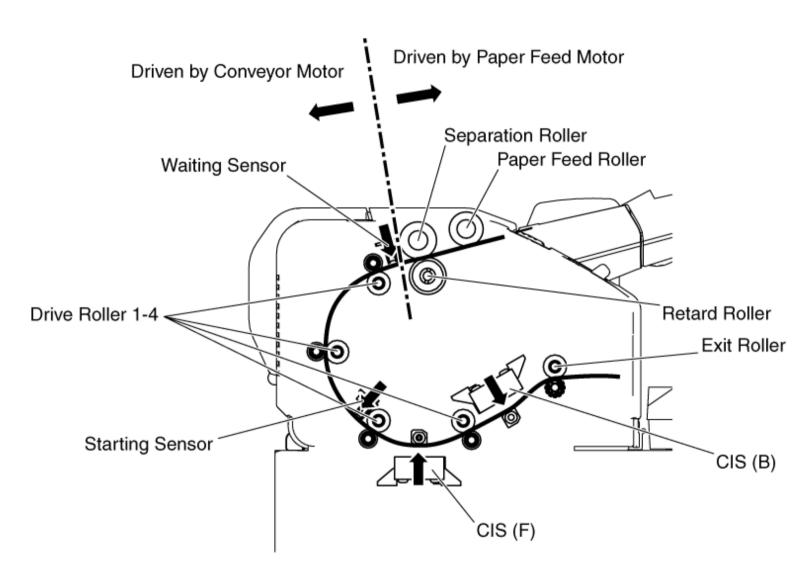
6 MECHANICAL FUNCTION

TOP PREVIOUS NEXT

- 6.1 Paper Feed Mechanism (Auto)
- 6.2 Paper Feed Mechanism (Manual)
- 6.3 Paper Feed Roller / Hopper Lift Drive Mechanism
- 6.4 Hopper Lift Mechanism
- 6.5 Carriage Drive Mechanism

6.1 Paper Feed Mechanism (Auto)

Fig.6.1



- 1. When the paper is set on the Hopper, and the scanning command is issued from PC, the Hopper rises and the paper will be brought into contact with Paper Feed Roller.
- 2. The Conveyor Motor is driven to rotate the 4 Drive Rollers and Exit Roller.

3. When the Paper Feed Motor starts, the Paper Feed Roller and the Separation Roller turn in feed direction.

The Retard Roller is supported by shaft fixed via a torque limiter, and it is pushed against the Separation Roller.

When the document enters into the separation section, the Retard Roller exerts a manipulation force onto the document, which depends on the set torque.

In case of continuous paper feed, the document is separated by this manipulation force and is fed to the scanning section.

- 4. When the leading edge the document advances at about 10 mm from the Drive Roller1 after passing through the separation section and Waiting Sensor, the Paper Feed Motor stops and the Paper Feed Roller and the Separation Roller turn together.
- 5. When the leading edge of the document passes through the Starting Sensor, scanning the image starts after the defined period. (Time to be required to conveyor the document from the Starting Sensor to the scanning start point.)
- 6. When the trailing edge of the document come to the defined position from the Waiting Sensor, the Paper Feed Motor is driven again to feed the 2nd document.
- 7. Repeat the above 3 to 6.
- 8. After finishing all scanning process, Hopper goes down to the original position and the series of scanning sequence ends.

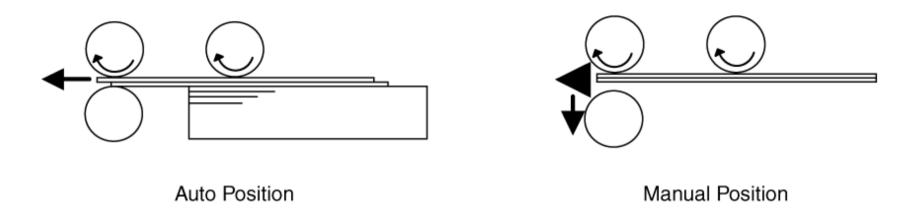
Note:

When the scanner s buffer becomes full of data, scanner will stop until securing the buffer free area that allows the scanner to transfer the data to PC in order to prevent the buffer from overflowing.

6.2 Paper Feed Mechanism (Manual)

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Fig.6.2



For multiple sheets scanning, there is possibility that the first page and second page will be separated, and the paper will be torn if paper is scanned while the Retard Roller is locked.

When Manual Feed Selector is set to Auto, the Retard Roller is pushed against the Separation Roller.

Thereby, the Retard Roller exerts a manipulation force onto the document, and the document is separated by this manipulation force.

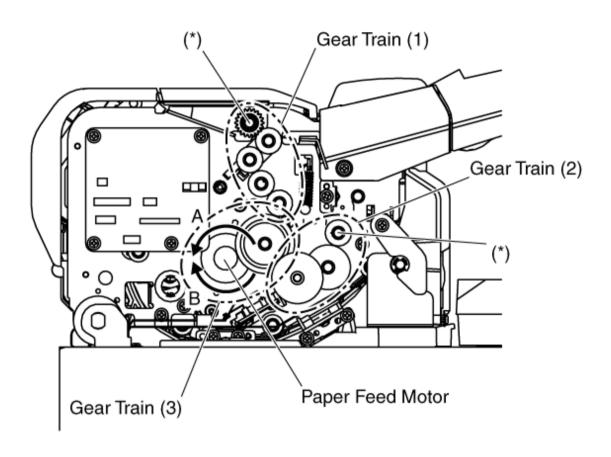
When Manual Feed Selector is set to Manual, the Retard Roller is free from the Separation Roller.

In this case, the Retard Roller does not operate paper separation.

6.3 Paper Feed Roller/ Hopper Lift Drive Mechanism

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Fig.6.3



Paper Feed Motor drives either Paper Feed Roller mechanism or Hopper lift mechanism by selecting the direction of rotation.

The drive system is shown on Fig.6.3.

- (a) The gear train (1) belongs to drive system for Paper Feed Roller and Separation roller.
- (b) The gear train (2) belongs to drive system for Hopper Lift.
- (c) The gear train (3) belongs to drive system for Paper Feed Roller, Separation Roller and Hopper Lift in common.

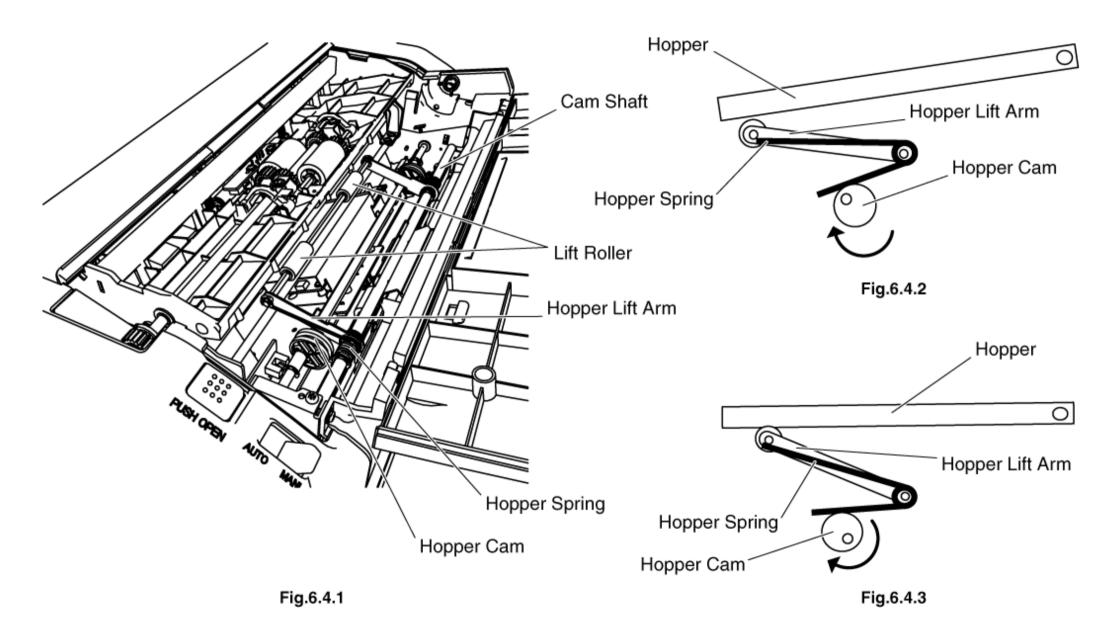
When the Paper Feed Motor drives in the direction of arrow A, Paper Feed Roller is activated, based on output axis.

On the other hand, when the Paper Feed Motor drives in the direction of arrow B, Hopper Lift mechanism is activated.

Gears marked with (*) on Each Gear train have one way clutches.

When the gears are activated to rotate against the direction of normal rotation, the one way clutches slipped and the series of rotation are not transmitted to the mechanical block.

6.4 Hopper Lift Mechanism

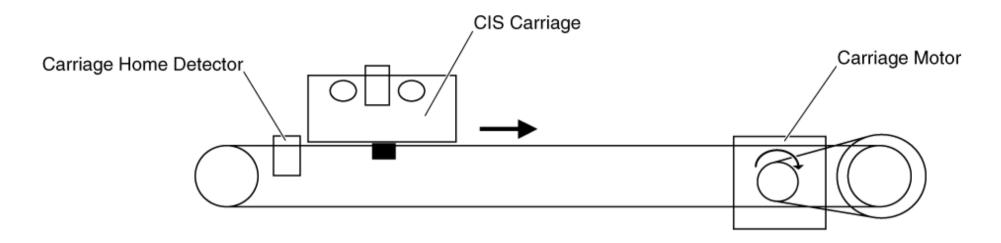


- 1. Hopper is mounted on Lift Roller of Hopper Lift Arm.
- 2. Hopper Lift Arm is supported by Hopper Cam through Hopper Spring.

- 3. Hopper Cam is an eccentric type cam, and is connected to Hopper Lift Gear Train (Gear Train (2)) mentioned in Fig.6.3.
- 4. When Hopper cam is in condition as shown in Fig.6.4.2, the paper can be set.
- 5. When the Hopper cam rotates in the direction of arrow as shown in Fig.6.4.3, it pushes up Hopper Spring, and enables paper to be fed by attaching Hopper to Paper Feed Roller.
- 6. And the Hopper Cam continues to rotate until it goes to the position as shown in Fig.6.4.2 to let the Hopper go down.

6.5 Carriage Drive Mechanism

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- 1. When the paper is set on the Flatbed Glass, and the scanning command is issued from PC, the Carriage Motor rotates to drive the CIS Carriage.
- 2. After scanning the defined size, the Carriage Motor rotates in reverse, and the CIS Carriage returns to its home position.

7 MAINTENANCE

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- 7.1 Maintenance Chart
- 7.2 Cleaning
- 7.2.1 Cleaning Rollers-1 (Paper Feed, Separation, and Retard Rollers)
- 7.2.2 Cleaning Roller-2 (Drive Rollers 1, 2 and Free Rollers)
- 7.2.3 Cleaning Roller-3 (Drive Rollers 3, 4, Free Rollers, and Exit Roller)
- 7.2.4 Cleaning Reference Plate and ADF Glass
- 7.2.5 Cleaning Sensors and Reflector Sheets-1 (Paper and Waiting Sensors, Double Feed Detector)
- 7.2.6 Cleaning Sensors and Reflector Sheets-2 (Starting, Skew (L), Skew (R), and Ending Sensors)
- 7.2.7 Cleaning Flatbed Glass
- 7.3 Replacing Limited Life Parts
- 7.3.1 Replacing Paper Feed Roller Module
- 7.3.2 Replacing Retard Roller

7.1 Maintenance Chart

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C:Clean R:Replace

(x 1000 sheets)

Description Reference of Part No.		20	40	60	80~260	280	300	
Paper Feed Roller		Ref. No.65 in Sec.14.2	С	С	С	Clean each part every 20 (x1000)		R
Separation Roller		Ref. No.66 in Sec.14.2	С	С	С	sheets scanning.		R
Retard Roller		Ref. No.26 in Sec.14.2	С	С	С			R
Drive Roller 1		Ref. No.74 in Sec.14.3	С	С	С			С
Drive Roller 2		Ref. No.78 in Sec.14.3	С	С	С			С
Drive Roller 3		Ref. No.76 in Sec.14.3	С	С	С			С
Drive Roller 4		Ref. No.69 in Sec.14.3	С	С	С			С
Exit Roller		Ref. No.69 in Sec.14.3	С	С	С			С
Free Roller		Ref. No.5 in Sec.14.2, Ref. No.6 in Sec.14.3	С	С	С			С
Reference Plate	(F)	Ref. No.17 in Sec.14.3	С	С	С		С	С
	(B)	Ref. No.17 in Sec.14.3		С	С		С	С
ADF Glass	(F)	Ref. No.4 in Sec.14.3	С	С	С		С	С
	(B)	Ref. No.4 in Sec.14.3		С	С		С	С
Flatbed Glass		Ref. No.47 in Sec.14.4	С	С	С			С
Paper Sensor		Ref. No.11 in Sec.14.1	С	С	С			С
Waiting Sensor (Board)		Ref. No.71 in Sec.14.2	С	С	С			С
Starting Sensor (Board)		Ref. No.49 in Sec.14.3	С	С	С			С
Ending Sensor (Board)		Ref. No.52 in Sec.14.3	С	С	С			С
Double feed detector (G)		Ref. No.38 in Sec.14.3	С	С	С			С
Double feed detector (R)		Ref. No.60 in Sec.14.2	С	С	С			С
Reflector Sheets		Ref. No.44 in Sec.14.2, Ref. No.19 in Sec.14.3	С	С	С		С	С

Note 1:

The above roller maintenance values are registered in the maintenance counter (Refer to Section 9), and the PC will inform users the cleaning or replacing timing if the utility software in this scanner has been already installed.

Note 2:

The maintenance schedule was determined according to paper standards (A4 or Letter, 16lb copier paper), which can vary greatly between users.

Therefore, the values can also vary.

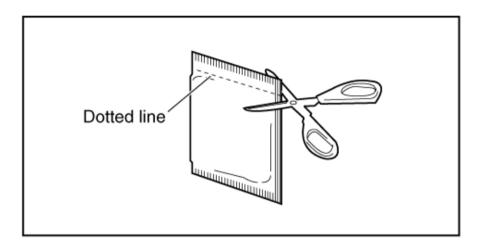
7.2 Cleaning

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When cleaning rollers and/or Glass that Sec.7.2.1, 7.2.2, 7.2.3, 7.2.4, and Sec.7.2.7 mention, the accessory Roller Cleaning Paper or Model KV-SS03 (Option: Roller Cleaning Paper) is needed.

Note:

- 1. Roller Cleaning Paper
 - o Open the bag by the dotted line and take out the Roller Cleaning Paper.



2. If the opened bag is left open for a long period of time before using it, the alcohol will evaporate.

Please use the Roller Cleaning Paper immediately after opening the bag.

- 3. The Roller Cleaning Paper (Model No. KV-SS03) is available via sales route.
- 4. When ADF Door (or Exit Door) does not open even if ADF Door Release (or Exit Door Release) is pushed repeatedly, there is possibility that the door was not closed properly.

In this case, try to close the ADF Door (or Exit Door) until it clicks into place.

- 7.2.1 Cleaning Rollers-1 (Paper Feed, Separation, and Retard Rollers)
- 7.2.2 Cleaning Roller-2 (Drive Rollers 1, 2 and Free Rollers)
- 7.2.3 Cleaning Roller-3 (Drive Rollers 3, 4, Free Rollers, and Exit Roller)
- 7.2.4 Cleaning Reference Plate and ADF Glass

7.2.5 Cleaning Sensors and Reflector Sheets-1 (Paper and Waiting Sensors, Double Feed Detector)

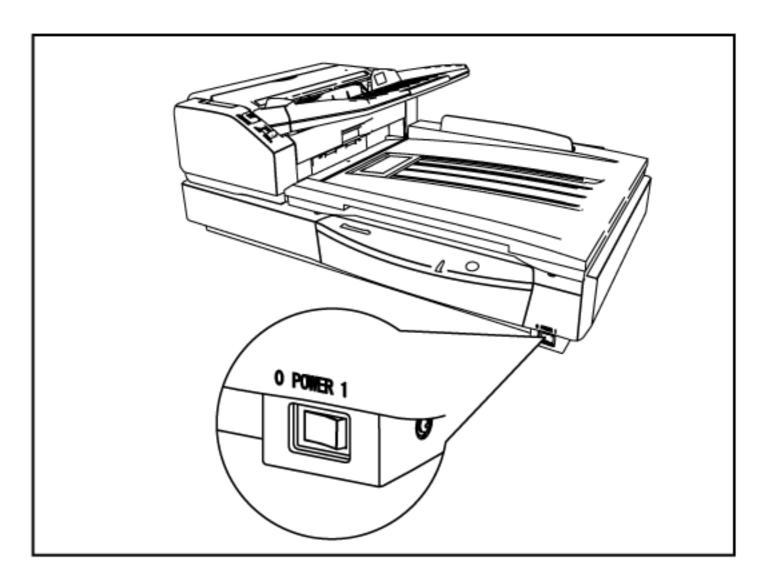
7.2.6 Cleaning Sensors and Reflector Sheets-2 (Starting, Skew (L), Skew (R), and Ending Sensors)

7.2.7 Cleaning Flatbed Glass

7.2.1 Cleaning Rollers-1 (Paper Feed, Separation, and Retard Rollers)

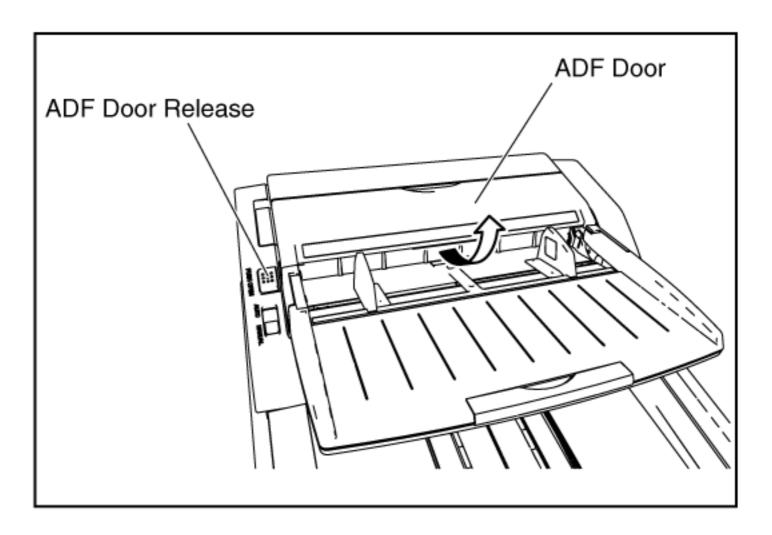
TOP PREVIOUS NEXT

1. Turn off the scanner.



1. Push the ADF Door Release to open the ADF Door.

(Right Side View)

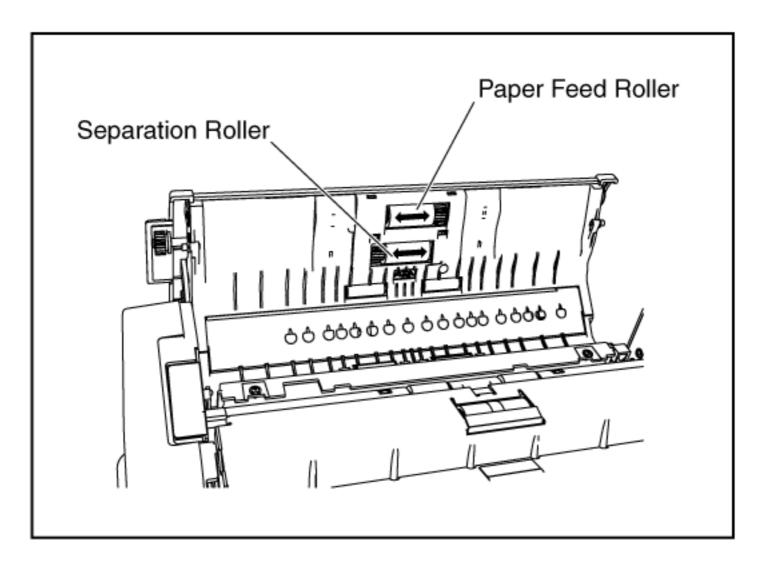


1. Wipe off the dirt on the surfaces of the Paper Feed Roller and Separation Roller with the accessory Roller Cleaning Paper or Model KV-SS03 (Option: Roller Cleaning Paper).

Note:

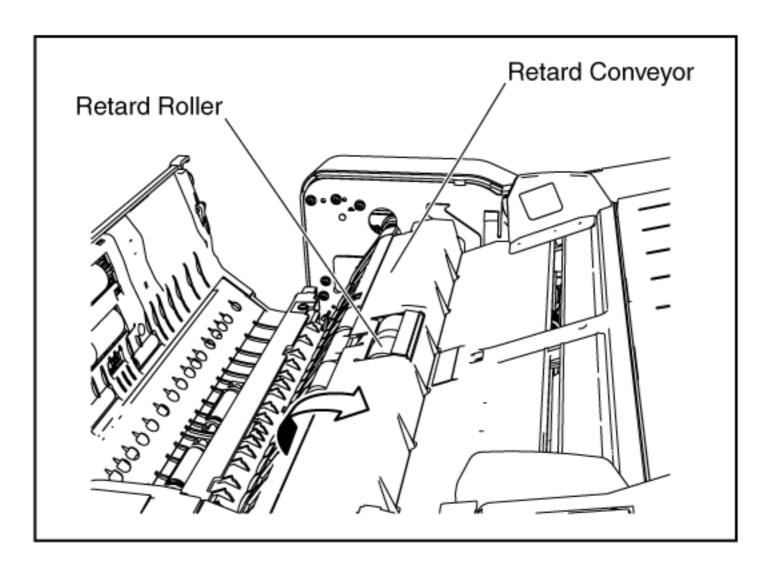
When wiping off the dirt on the roller surfaces, hold the rollers to prevent from rotating, and wipe the roller all the way around them, proceeding from one end to the other in the direction of the arrows shown in the figure.

(Right Side View)



1. Open the Retard Conveyor in the direction of the arrow shown in the figure.

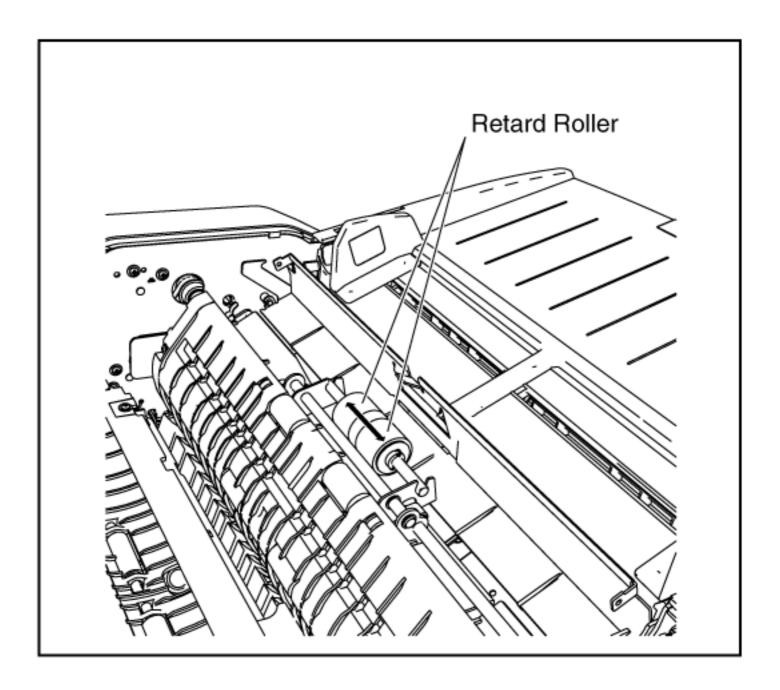
(Top Front View)



1. Clean the surface of the Retard Roller with the accessory Roller Cleaning Paper or Model KV-SS03 (Option: Roller Cleaning Paper).

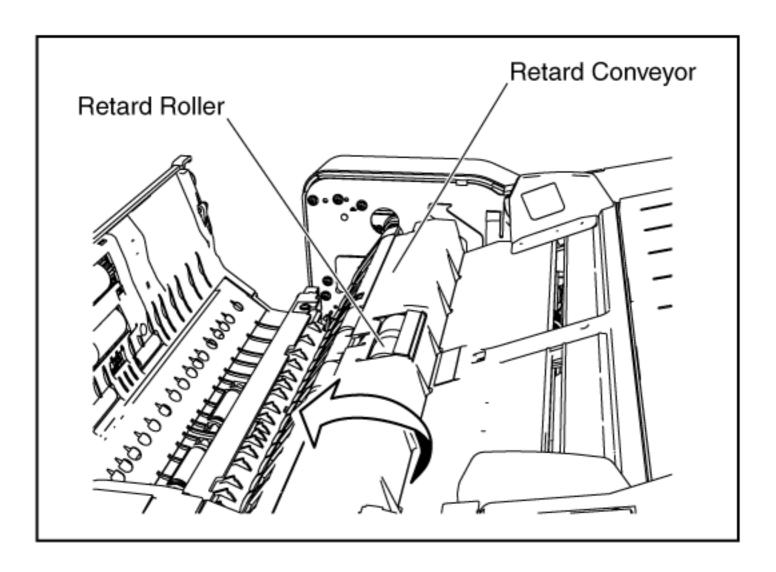
When cleaning it, wipe off the dirt on the roller surface all the way around it, proceeding from one end to the other in the direction of the arrow shown in the figure.

(Left Front View)



1. Close the Retard Conveyor in the direction of the arrow shown in the figure.

(Top Front View)

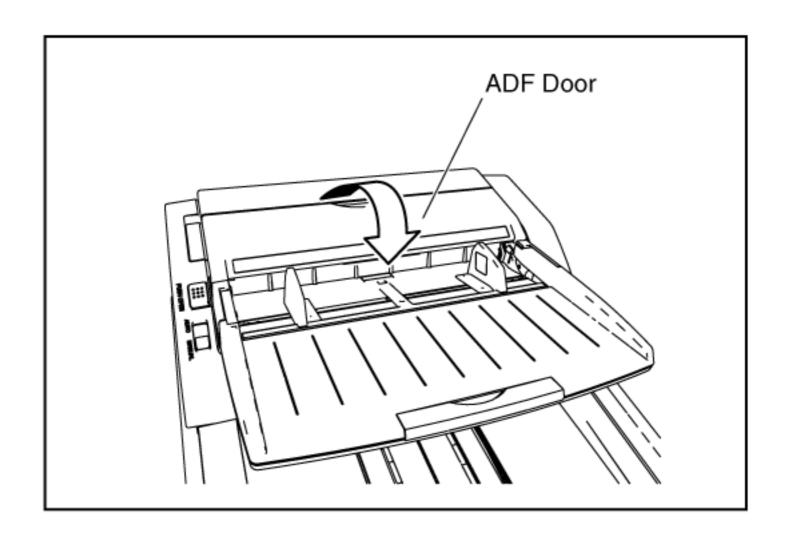


1. Close the ADF Door slowly until it clicks into place.

Note:

After cleaning the Paper Feed, Separation, and Retard Rollers, execute Clear Counter for cleaning roller with Service Utility. (See 9.3.4.)

(Right Side View)

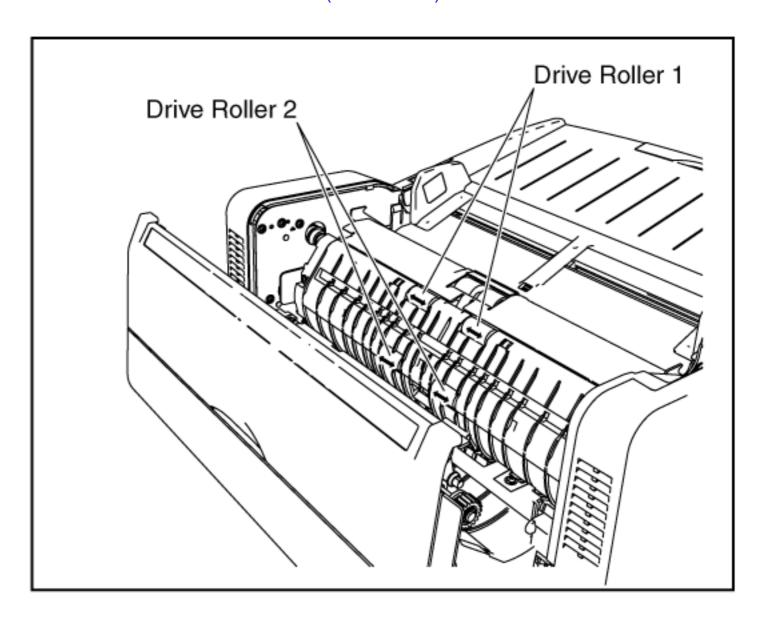


7.2.2 Cleaning Roller-2 (Drive Rollers 1, 2 and Free Rollers)

TOP PREVIOUS NEXT

- 1. Turn off the scanner. (See 7.2.1-(1).)
- 2. Push the ADF Door Release to open the ADF Door. (See 7.2.1-(2).)
- 3. Wipe off the dirt on the surfaces of the Drive Rollers 1, 2 in the direction of the arrows shown in the figure with the accessory Roller Cleaning Paper or Model KV-SS03 (Option: Roller Cleaning Paper).

(Left FrontView)



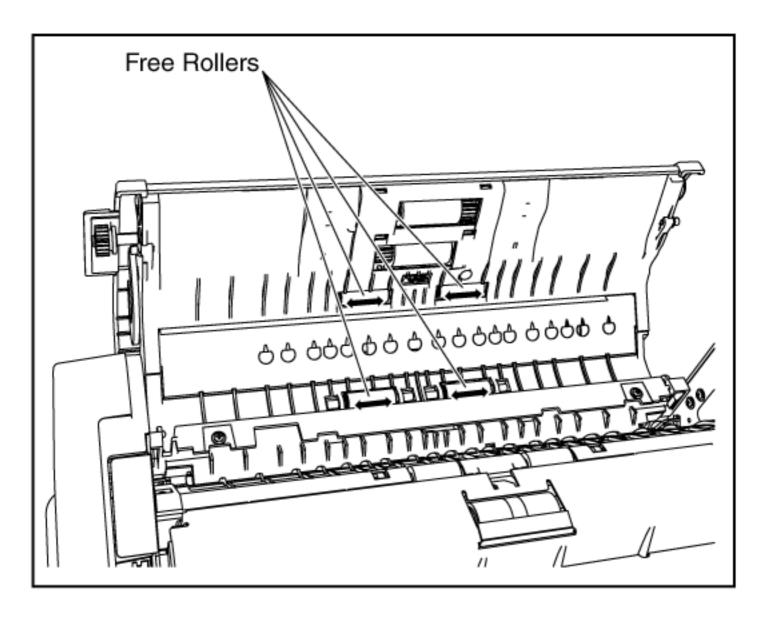
1. Clean the surfaces of the Free Rollers with the accessory Roller Cleaning Paper or

Model KV-SS03 (Option: Roller cleaning Paper).

When cleaning them, wipe off the dirt on the roller surfaces all the way around them proceeding from one end to the other in the direction of the arrows shown in the figure.

2. Close the ADF Door slowly until it clicks into place. (See 7.2.1-(7).)

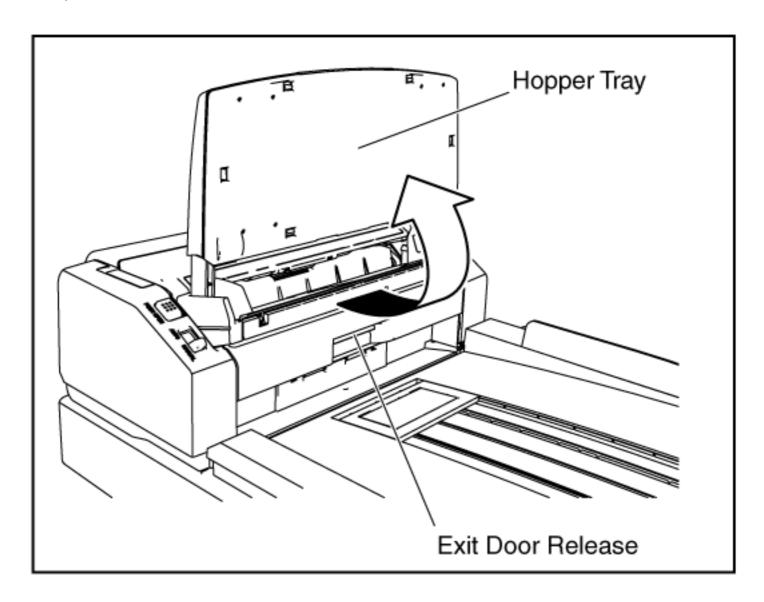
(Right Side View)



7.2.3 Cleaning Roller-3 (Drive Rollers 3, 4, Free Rollers, and Exit Roller)

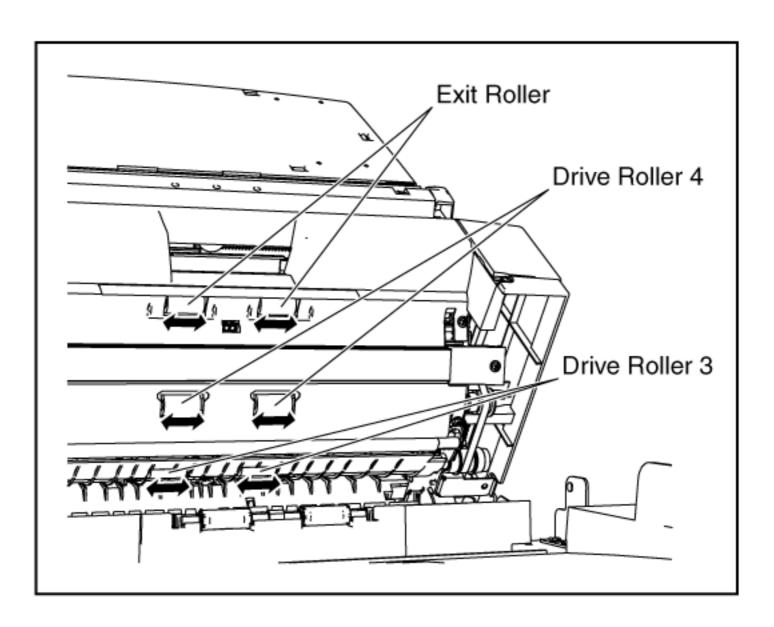
TOP PREVIOUS NEXT

- 1. Turn off the scanner. (See 7.2.1-(1).)
- 2. Fold the Hopper Tray in the direction of the arrow, and pull the Exit Door Release to open the Exit Door.



1. Wipe off the dirt on the surfaces of the Drive Rollers 3, 4, and Exit Roller in the direction of the arrows shown in the figure with the accessory Roller Cleaning Paper or Model KV-SS03 (Option: Roller Cleaning Paper).

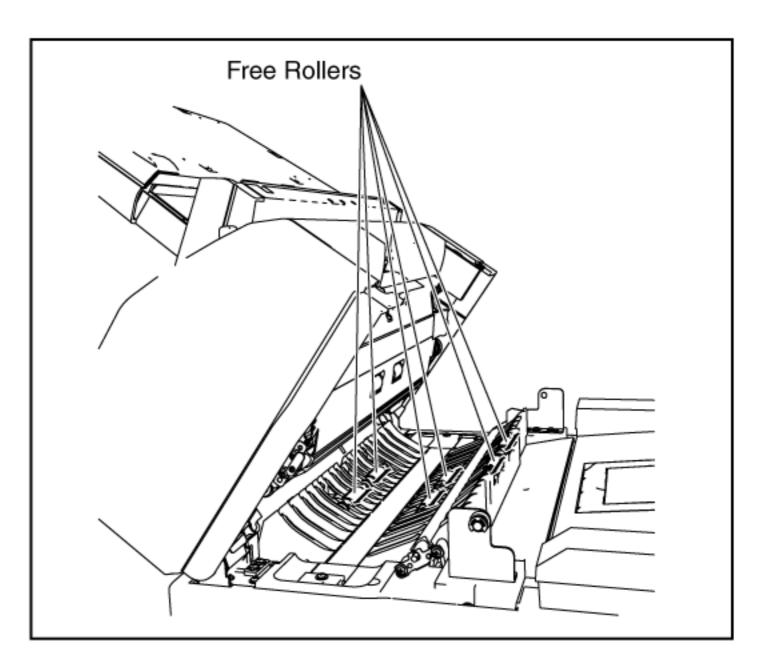
(RightSide View)



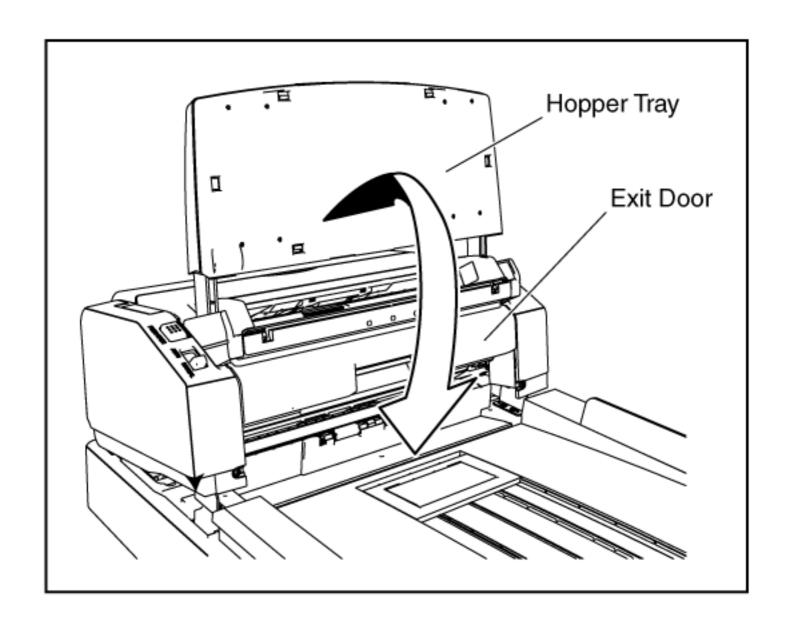
1. Clean the surfaces of the Free Rollers with the accessory Roller Cleaning Paper or Model KV-SS03 (Option: Roller Cleaning Paper).

When cleaning them, wipe off the dirt on the roller surfaces all the way around them, proceeding from one end to the other in the direction of the arrows shown in the figure.

(Front View)



1. Close the Exit Door slowly until it clicks into place and put back the Hopper Tray to the original position.

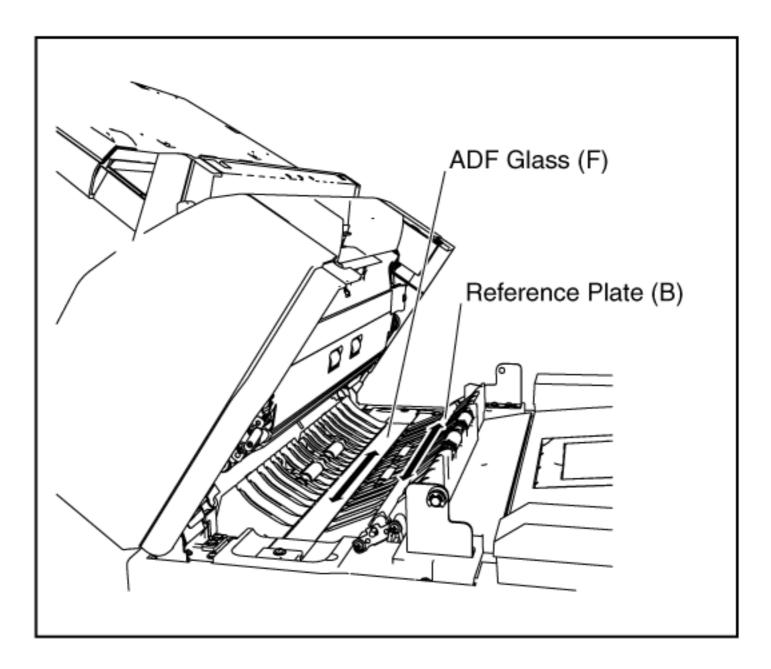


7.2.4 Cleaning Reference Plate and ADF Glass

TOP PREVIOUS NEXT

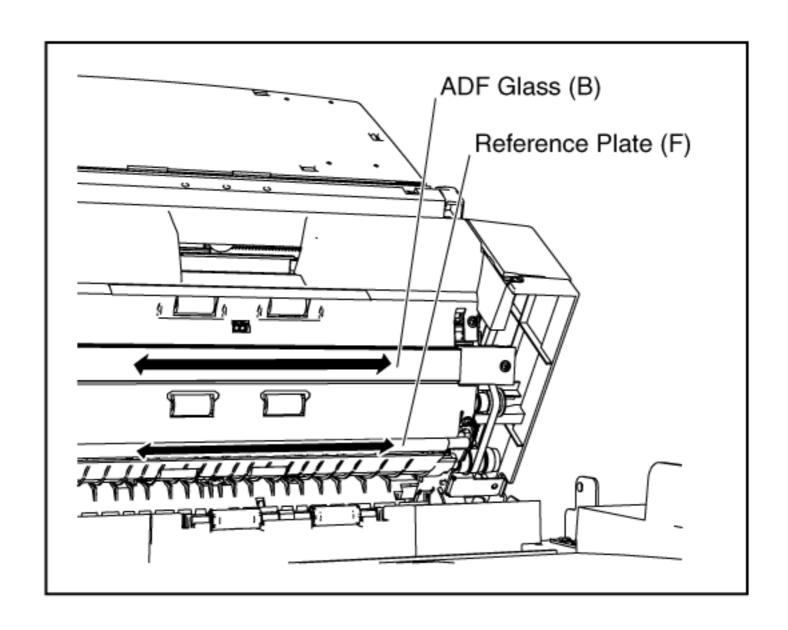
- 1. Turn off the scanner. (See 7.2.1-(1).)
- Fold the Hopper Tray in the direction of the arrow, and pull the Exit Door Release to open the Exit Door. (See 7.2.3-(2).)
- 3. Wipe off the ADF Glass (F) and Reference Plate (B) in the direction of the arrows shown in the figure with the accessory Roller Cleaning Paper or Model KV-SS03 (Option: Roller Cleaning Paper).

(Front View)



- 1. Wipe off the ADF Glass (B) and Reference Plate (F) in the direction of the arrows shown in the figure with the accessory Roller Cleaning Paper or Model KV-SS03 (Option: Roller Cleaning Paper).
- 2. Close the Exit Door slowly until it clicks into place and put back the Hopper Tray to the original position. (See 7.2.3-(5).)

(Right View)

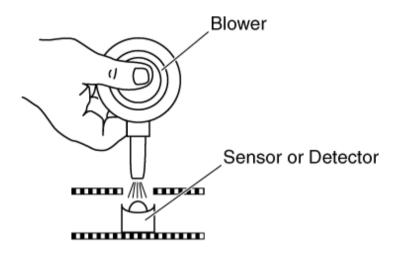


7.2.5 Cleaning Sensors and Reflector Sheets-1 (Paper and Waiting Sensors, Double Feed Detector)

TOP PREVIOUS NEXT

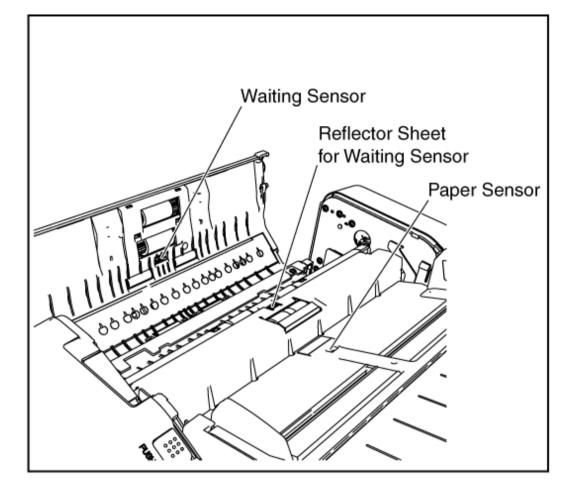
How to clean sensors (detectors) and reflectors.

Remove the brush from the accessory Blower and blow off the dirt with the blower.



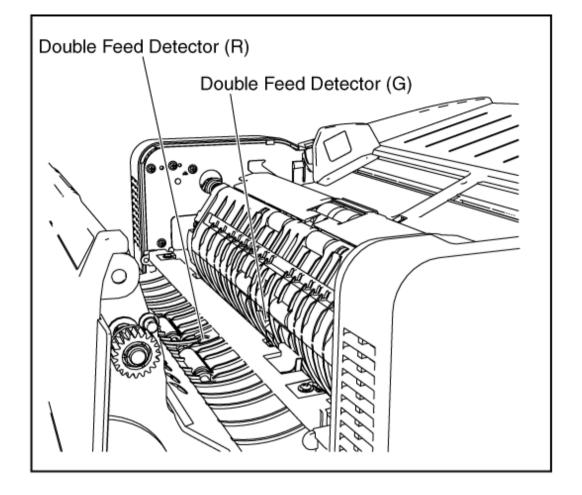
- 1. Turn off the scanner. (See 7.2.1-(1).)
- 2. Push the ADF Door Release to open the ADF Door. (See 7.2.1-(2).)
- 3. Blow off the dirt on the surface of the Paper Sensor and Waiting Sensor with an accessory blower.
- 4. And also blow off the dirt on the surface of the Reflector Sheet for the Waiting Sensor with the accessory blower.

(Top Front View)



- 1. Blow off the dirt from the Double Feed Detector (G) and Double Feed Detector (R) with the accessory blower.
- 2. Close the ADF Door slowly until it clicks into place. (See 7.2.1-(7).)

(Front View)

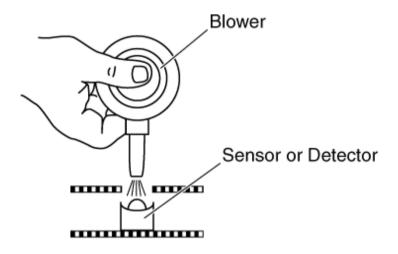


7.2.6 Cleaning Sensors and Reflector Sheets-2 (Starting, Skew (L), Skew (R), and Ending Sensors)

TOP PREVIOUS NEXT

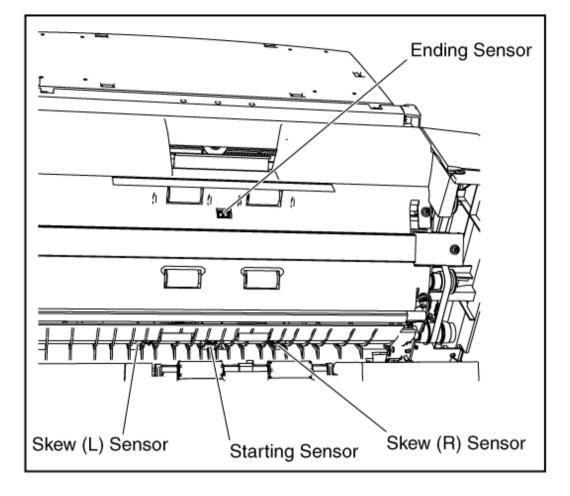
How to clean sensors (detectors) and reflectors.

Remove the brush from the accessory Blower and blow off the dirt with the blower.



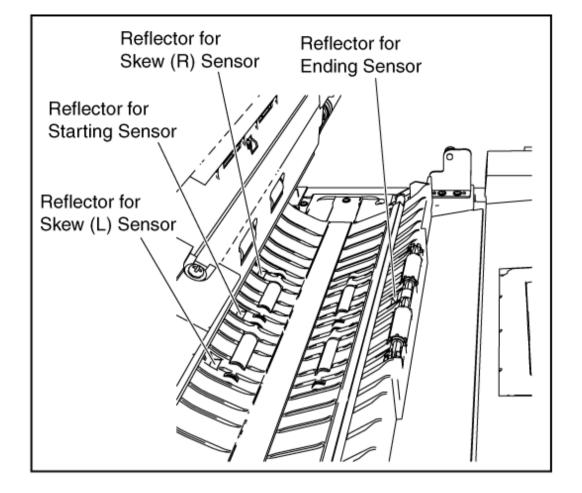
- 1. Turn off the scanner. (See 7.2.1-(1).)
- 2. Fold the Hopper Tray in the direction of the arrow, and pull the Exit Door Release to open the Exit Door. (See 7.2.3-(2).)
- 3. Blow off the dirt on the surface of the Starting, Skew (L), Skew (R), and Ending Sensors with the accessory blower.

(Right Side View)



- 1. And blow off the dirt from the Reflector Sheets for the Starting, Skew (L), Skew (R), and Ending Sensors with the blower.
- 2. Close the Exit Door slowly until it clicks into place and put back the Hopper Tray to the original position. (See 7.2.3-(5).)

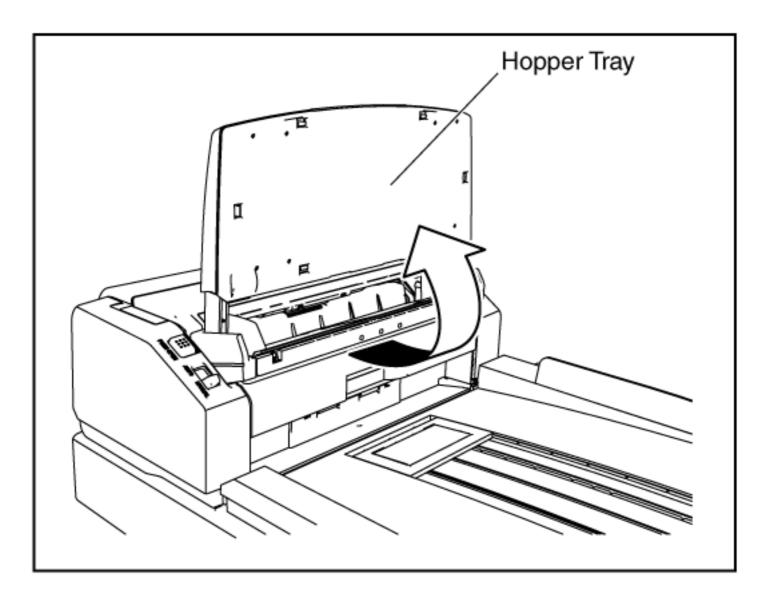
(Front View)



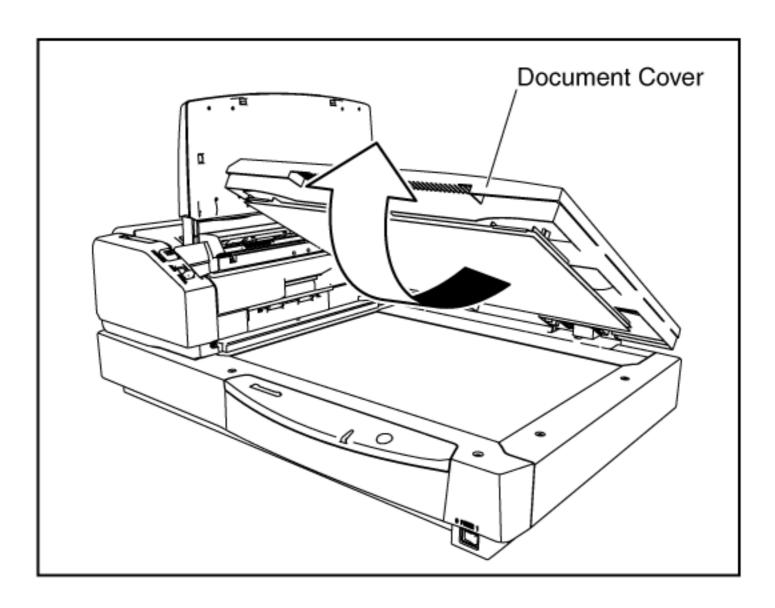
7.2.7 Cleaning Flatbed Glass

TOP PREVIOUS NEXT

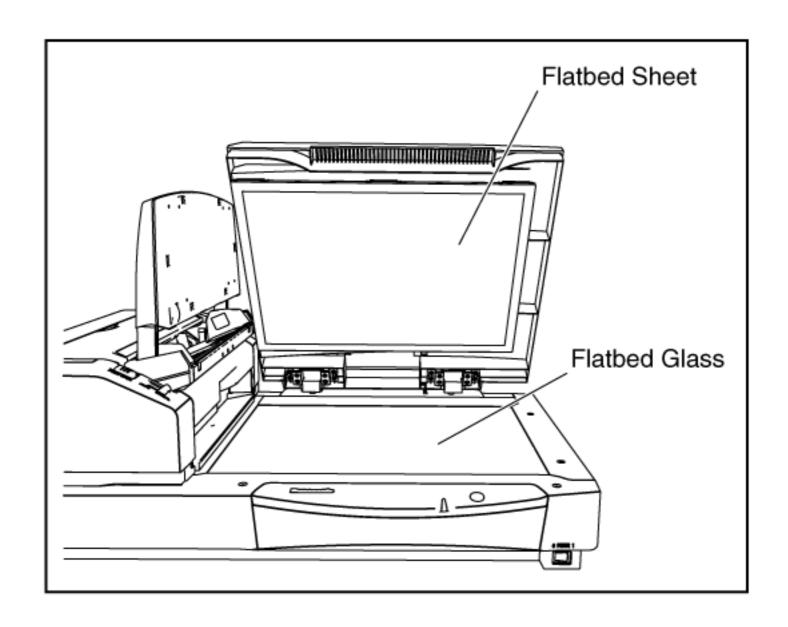
- 1. Turn off the scanner. (See 7.2.1-(1).)
- 2. Fold the Hopper Tray in the direction of the arrow.



1. Open the Document Cover.



- Clean up the surface of Flatbed Glass with the accessory Roller Cleaning Paper or Model KV-SS03 (Option: Roller Cleaning Paper) to remove the dirt. (Also clean up the surface of the Flatbed Sheet, as required.)
- 2. Close the Document Cover and put back the Hopper Tray to the original position.



7.3 Replacing Limited Life Parts

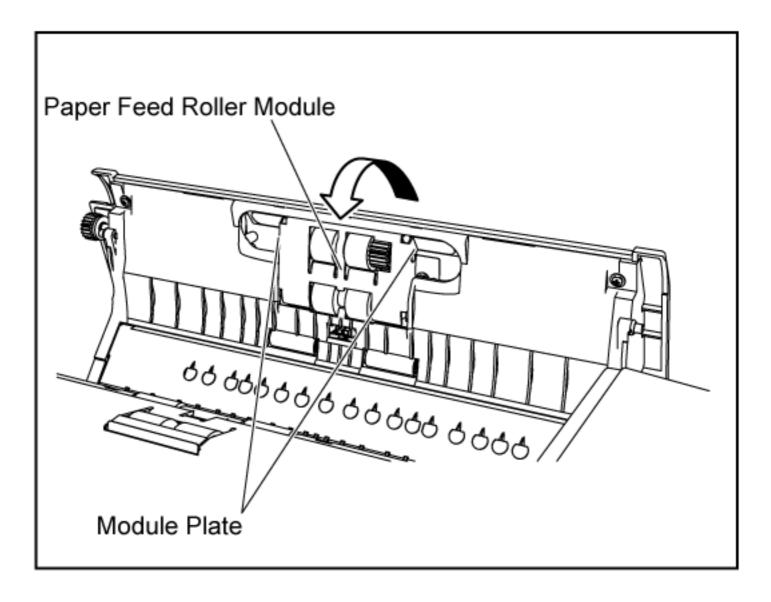
TOP PREVIOUS NEXT

7.3.1 Replacing Paper Feed Roller Module

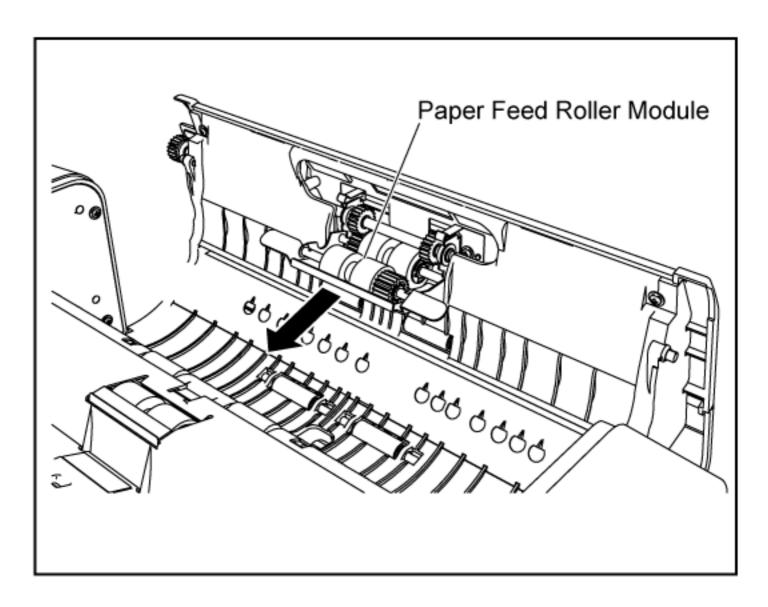
7.3.2 Replacing Retard Roller

7.3.1 Replacing Paper Feed Roller Module

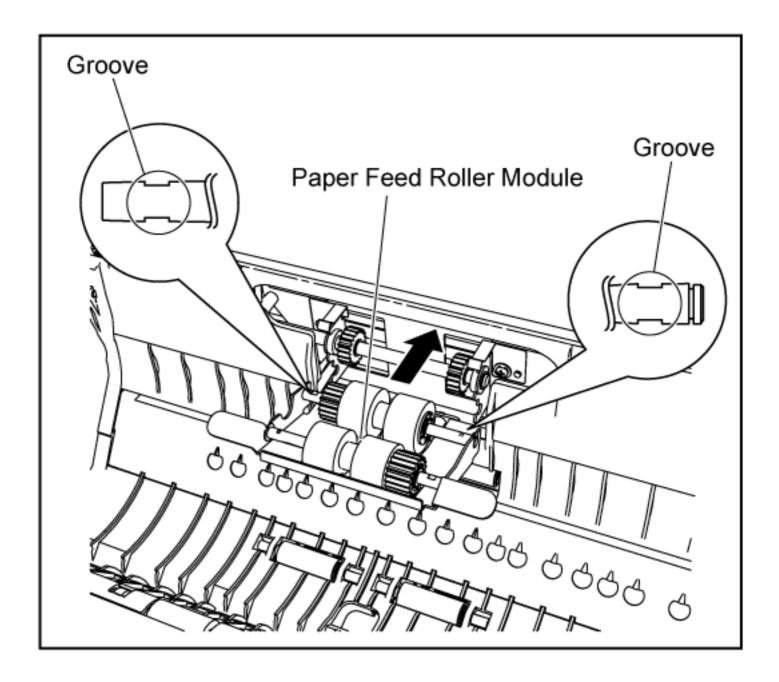
- 1. Turn off the scanner. (See 7.2.1-(1).)
- 2. Push the ADF Door Release to open the ADF Door. (See 7.2.1-(2).)
- 3. Pull down the Paper Feed Roller Module, holding both sides of the module plate in the direction of the arrow.



- 1. Remove the Paper Feed Roller Module as shown on the figure.
- 2. Open the optional Roller Exchange Kit (KV-SS015), and take out the Paper Feed Roller Module.



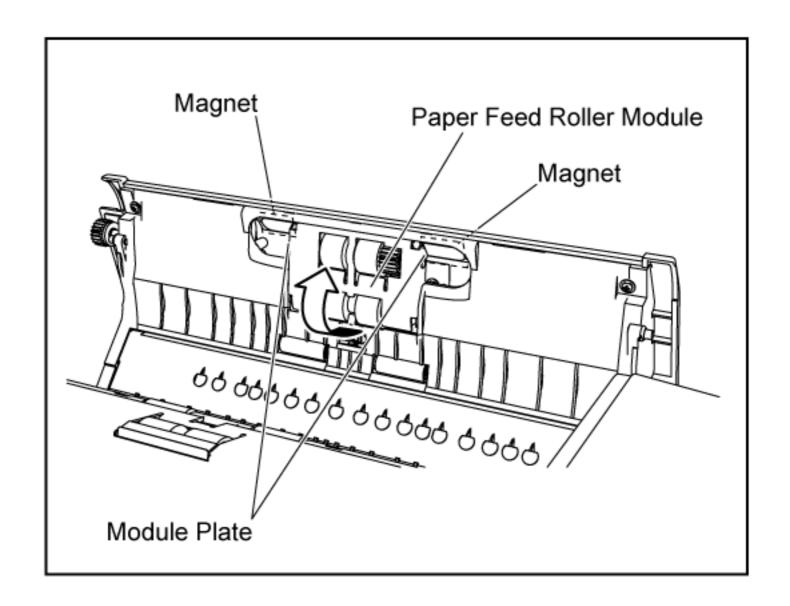
1. Install a new Paper Feed Roller Module.



- 1. Push up the new Paper Feed Roller Module in the direction of the arrow, so that the module is locked by the magnet plates on both sides.
- 2. Close the ADF Door slowly until it clicks into place. (See 7.2.1-(7).)

Note:

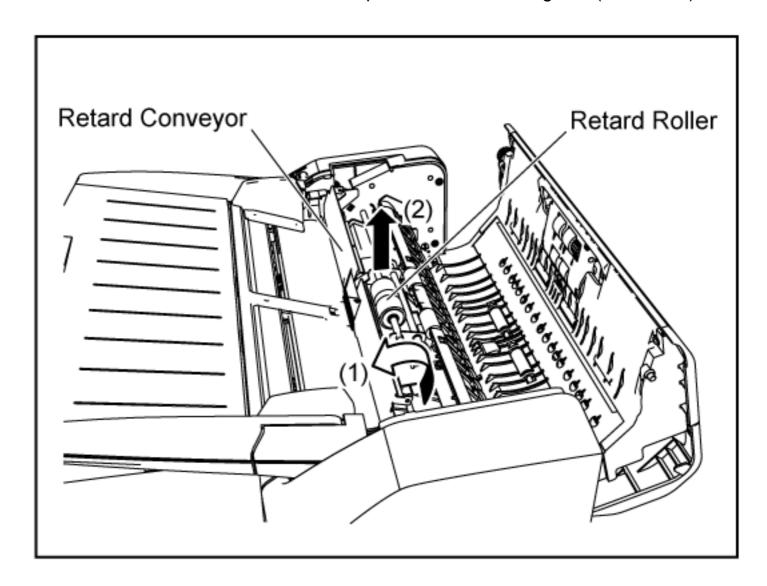
After replacing the above Paper Feed Roller Module and the following section s (7.3.2) Retard Roller, execute Clear Counter for replacing roller with Service Utility. (See 9.3.4.)



7.3.2 Replacing Retard Roller

TOP PREVIOUS NEXT

- 1. Turn off the scanner. (See 7.2.1-(1).)
- 2. Push the ADF Door Release to open the ADF Door. (See 7.2.1-(2).)
- 3. Open the Retard Conveyor in the direction of the arrow (1).
- 4. Remove the Retard Roller, pulling up the shaft in the direction of the arrow (2).
- 5. Take out a new Retard Roller in the optional Roller Exchange Kit (KV-SS015).

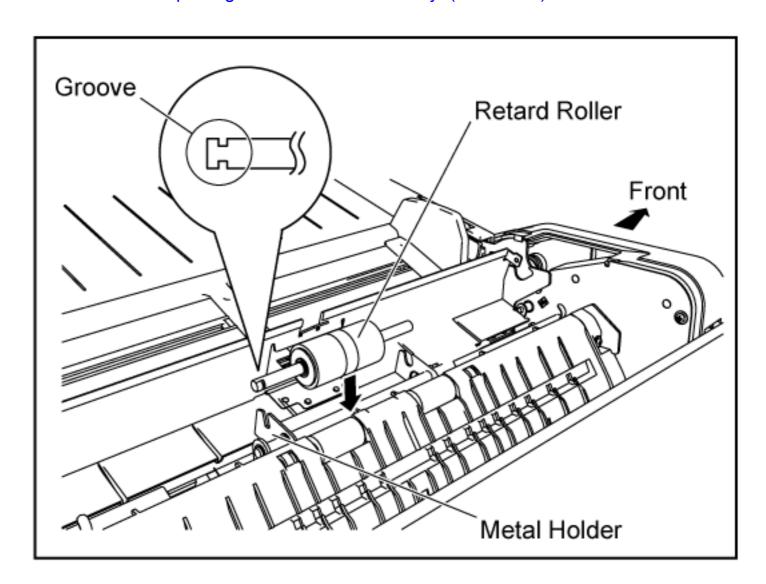


1. Install a new Retard Roller with the groove of its shaft that is located on the back side of the scanner, and match the groove to the back side of the metal holder on the scanner.

- 2. Close the Retard Conveyor. (See 7.2.1-(6).)
- 3. Close the ADF Door slowly until it clicks into place. (See 7.2.1-(7).)

Note:

After replacing the above Paper Feed Roller Module and Retard Roller, execute Clear Counter for replacing roller with Service Utility. (See 9.3.4.)



8 DISASSEMBLY INSTRUCTIONS

TOP PREVIOUS NEXT
8.1 Disassembly Flowchart
8.1.1 Flatbed Block
8.1.2 ADF Block
8.2 Disassembly for Flatbed Block
8.2.1 Exit Door (Open)
8.2.2 Document Cover
8.2.3 Front Cover
8.2.4 PANEL Board
8.2.5 Back Cover
8.2.6 DOCUMENT COVER DETECTOR Board
8.2.7 Flatbed Conveyor
8.2.8 INTERFACE Board
8.2.9 Side Cover (L)
8.2.10 Side Cover (R)
8.2.11 Flatbed Glass
8.2.12 CARRIAGE HOME DETECTOR Board
8.2.13 Shield Plates (A, B)
8.2.14 CONTROL Board

8.2.15 DRIVE Board
8.2.16 Carriage Motor
8.2.17 Power Box & Cover
8.2.18 FAN
8.2.19 POWER Board
8.2.20 Inverter Cover
8.2.21 CIS (F)
8.2.22 CARRIAGE RELAY Board
8.2.23 Lamp Drive (F) Board
8.3 Disassembly for ADF Block
8.3.1 Imprinter Door
8.3.2 Double Feed Detector (R)
8.3.3 OUTER CONVEYOR RELAY Board
8.3.4 Paper Feed Roller Module
8.3.5 Retard Roller
8.3.6 Top Cover
8.3.7 WAITING SENSOR Board
8.3.8 Hopper Tray
8.3.9 Hopper
8.3.10 SIZE DETECTOR Board
8.3.11 Paper Sensor

8.3.12 ADF Cover (F)
8.3.13 SENSOR RELAY Board
8.3.14 ADF Cover (B)
8.3.15 ADF Door Switch
8.3.16 POWER RELAY Board
8.3.17 Conveyor 1
8.3.18 Drive Belts 1, 2, 3
8.3.19 Drive Rollers 1, 2, 3
8.3.20 Double Feed Detector (G)
8.3.21 STARTING SENSOR Board
8.3.22 ADF Glass (B)
8.3.23 Conveyor 2
8.3.24 Drive Roller 4
8.3.25 Hopper Front Cover
8.3.26 Hopper Base
8.3.27 HOPPER HOME DETECTOR Board
8.3.28 Retard Conveyor
8.3.29 HOPPER RELAY Board
8.3.30 Exit Conveyor
8.3.31 Exit Roller

8.3.32 ENDING SENSOR Board

8.3.33 Exit Door Switch

8.3.34 CIS (B) & CIS RELAY Board

8.3.35 Lamp Drive (B) Board

8.3.36 Paper Feed Motor

8.3.37 Conveyor Motor

8.1 Disassembly Flowchart

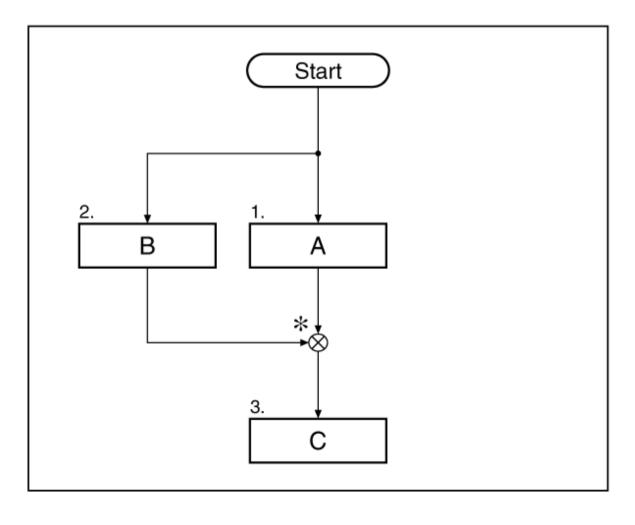
TOP PREVIOUS NEXT

The flowchart indicates disassembly items of the Exterior, Mechanical parts, Unit Components, Circuit Board assemblies.

When reassembling, perform the steps in the reverse order unless noted in Reassembling Notes.

Note:

How to check the disassembly flowchart



^{*} This sample flowchart means the procedures 1 and 2 are required before the procedure 3, when disassembling C.

8.1.1 Flatbed Block

8.1.2 ADF Block

8.1.1 Flatbed Block

TOP PREVIOUS NEXT

8.1.2 ADF Block

TOP PREVIOUS NEXT

8.2 Disassembly for Flatbed Block

TOP PREVIOUS NEXT
8.2.1 Exit Door (Open)
8.2.2 Document Cover
8.2.3 Front Cover
8.2.4 PANEL Board
8.2.5 Back Cover
8.2.6 DOCUMENT COVER DETECTOR Board
8.2.7 Flatbed Conveyor
8.2.8 INTERFACE Board
8.2.9 Side Cover (L)
8.2.10 Side Cover (R)
8.2.11 Flatbed Glass
8.2.12 CARRIAGE HOME DETECTOR Board
8.2.13 Shield Plates (A, B)
8.2.14 CONTROL Board
8.2.15 DRIVE Board
8.2.16 Carriage Motor
8.2.17 Power Box & Cover
8.2.18 FAN

8.2.19 POWER Board

8.2.20 Inverter Cover

8.2.21 CIS (F)

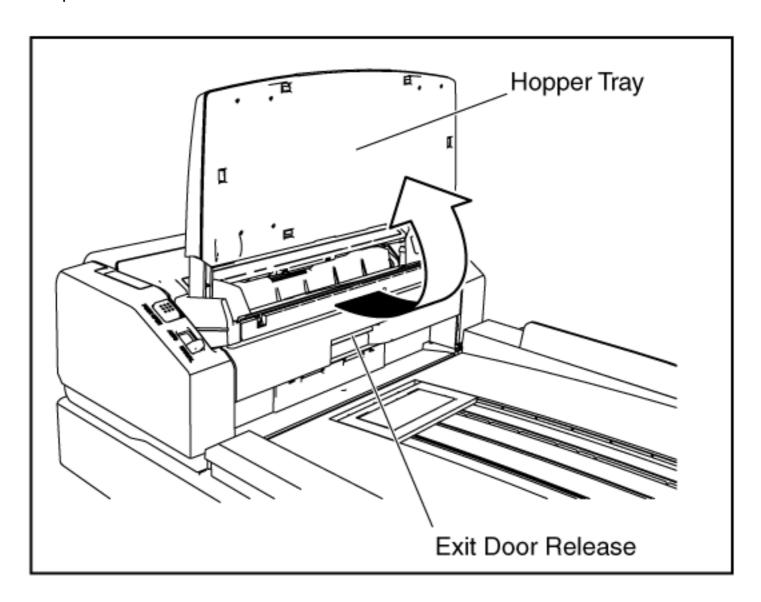
8.2.22 CARRIAGE RELAY Board

8.2.23 Lamp Drive (F) Board

8.2.1 Exit Door (Open)

TOP PREVIOUS NEXT

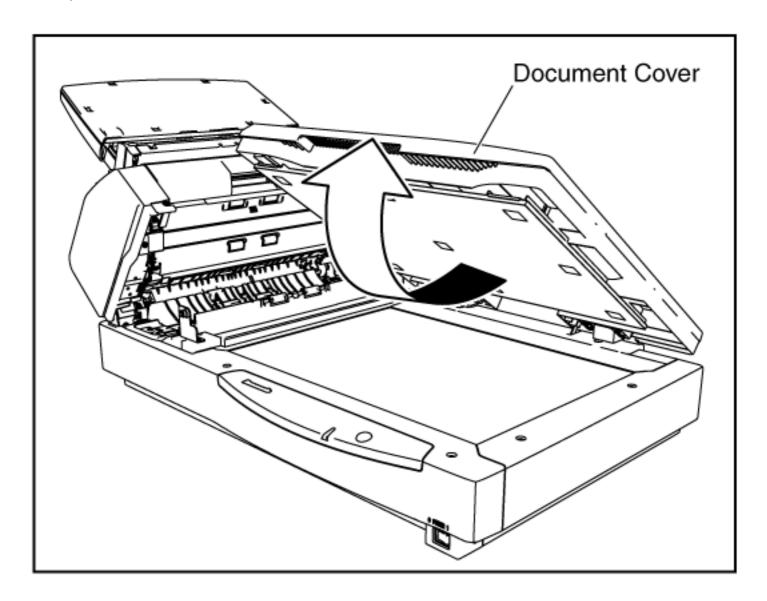
1. Fold the Hopper Tray in the direction of the arrow, and pull the Exit Door Release to open the door.



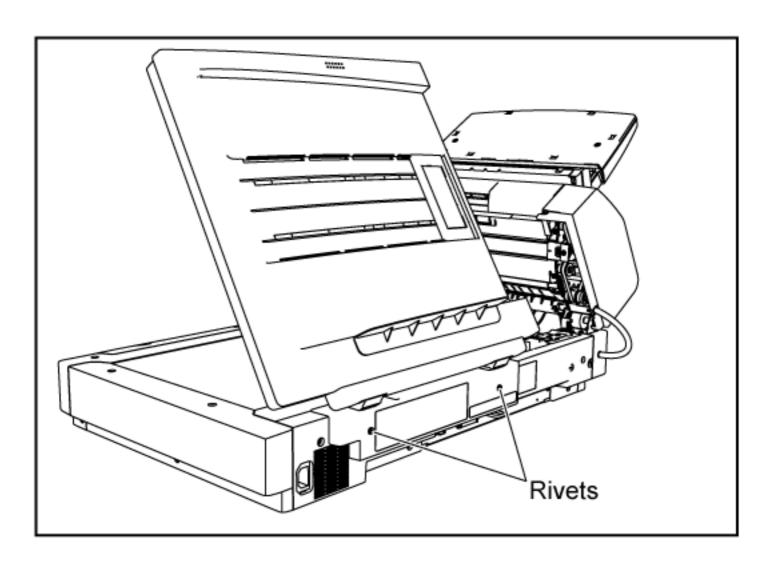
8.2.2 Document Cover

TOP PREVIOUS NEXT

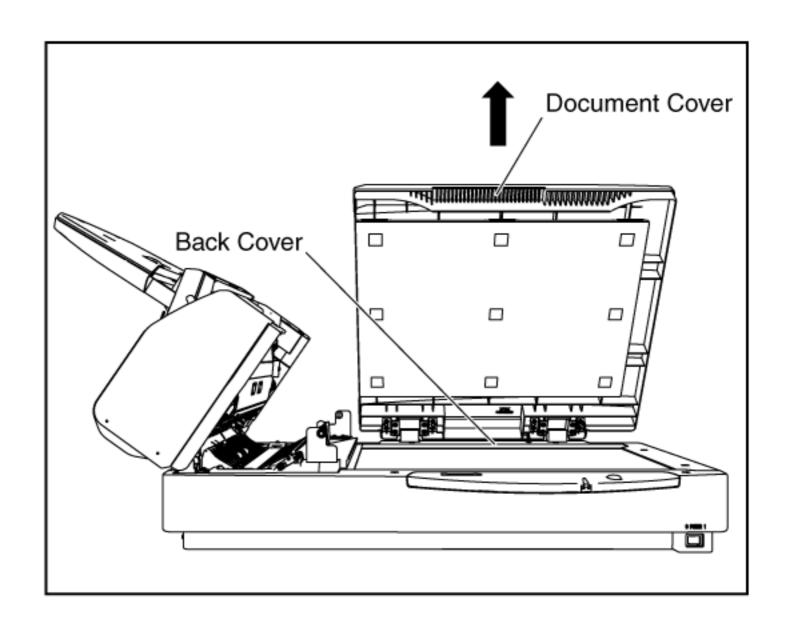
- 1. Open the Exit Door. (See 8.2.1.)
- 2. Open the Document Cover.



1. Remove the 2 rivets to release the Document Cover.

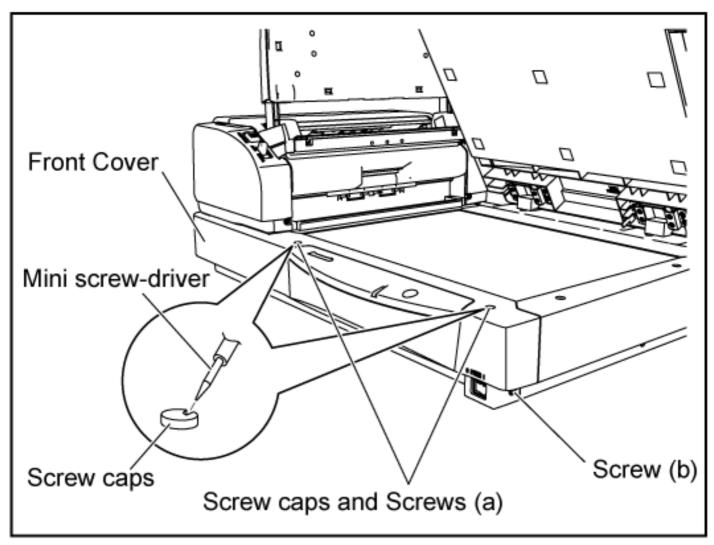


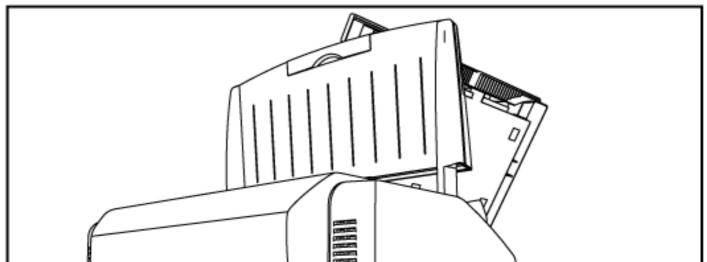
1. Pull up the Document Cover in the direction of the arrow to remove it from the Back Cover.

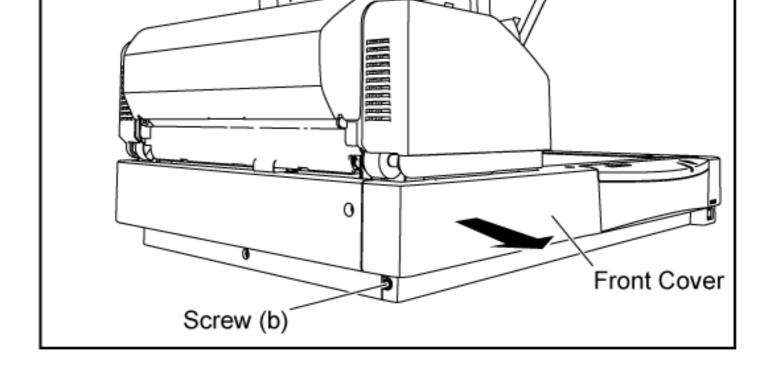


8.2.3 Front Cover

- 1. Open or remove the Document Cover. (See 8.2.2.)
- 2. Remove the 2 screw caps, hanging them with the mini screw-driver.
- 3. Remove the 2 screws (a) and 2 screws (b), and pull out the Front Cover in the direction of the arrow.



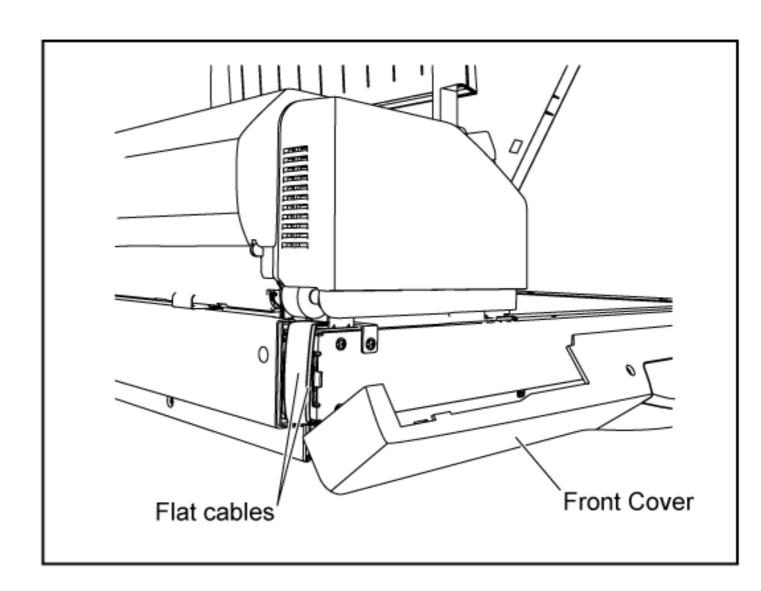


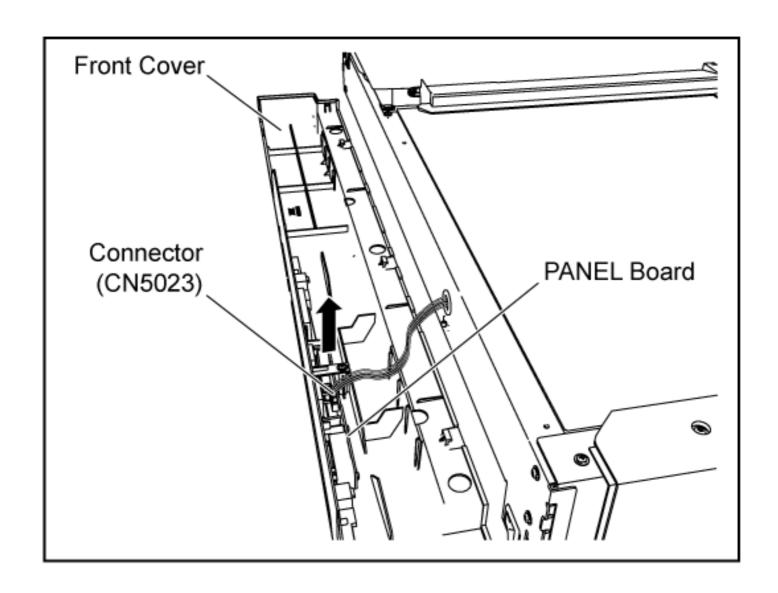


1. Remove the 1 connector (CN5023) to the PANEL Board to separate the Front Cover from the scanner in the direction of the arrow.

Reassembling Note:

When reassembling the Front Cover, make sure that the flat cables are covered properly, so that they are not caught by the cover.

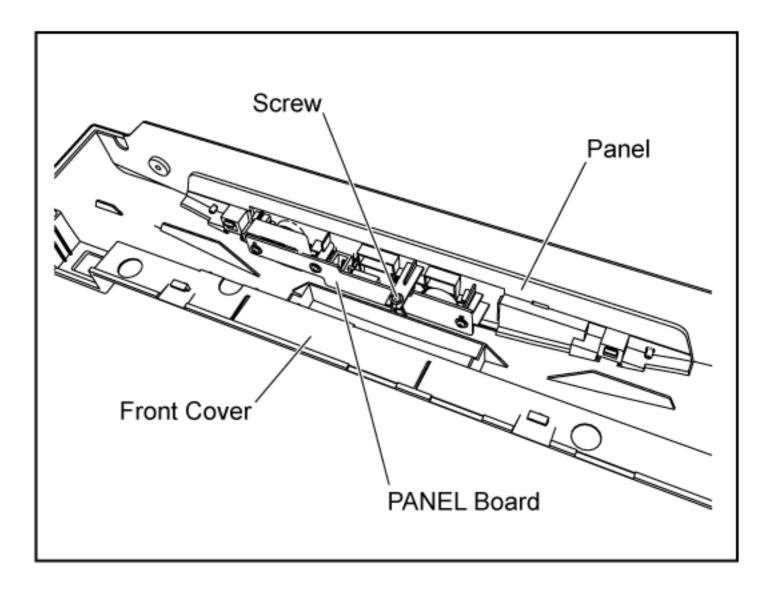




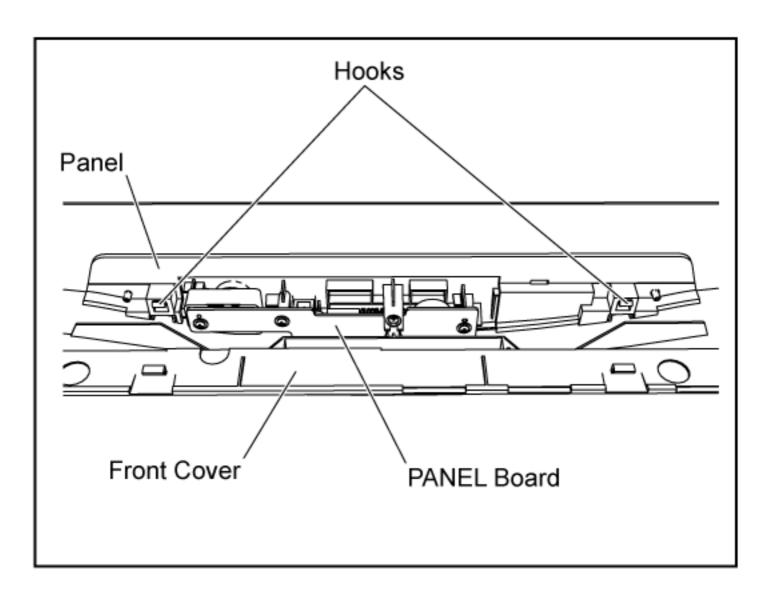
8.2.4 PANEL Board

TOP PREVIOUS NEXT

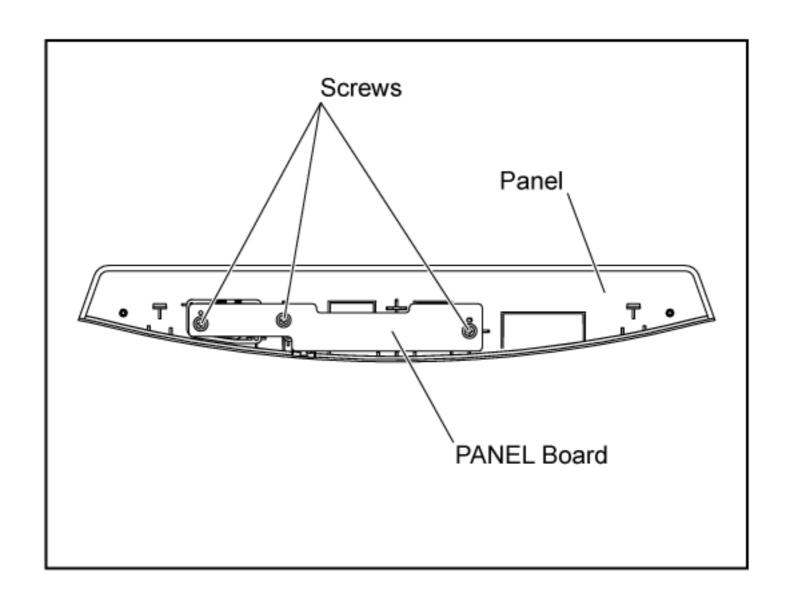
- 1. Remove the Front Cover. (See 8.2.3.)
- 2. Remove the 1 screw.



1. Release the 2 hooks to separate the PANEL Board with the Panel from the Front Cover.



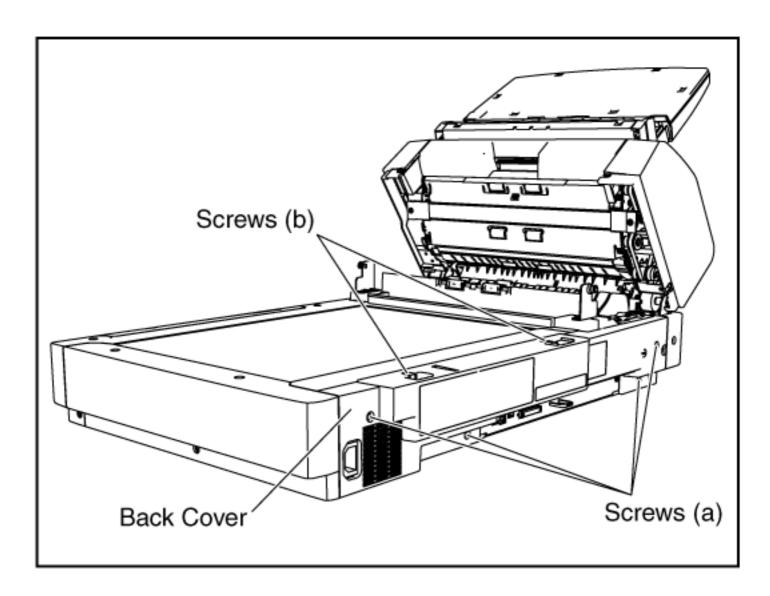
1. Remove the 3 screws to separate the board from the panel.



8.2.5 Back Cover

TOP PREVIOUS NEXT

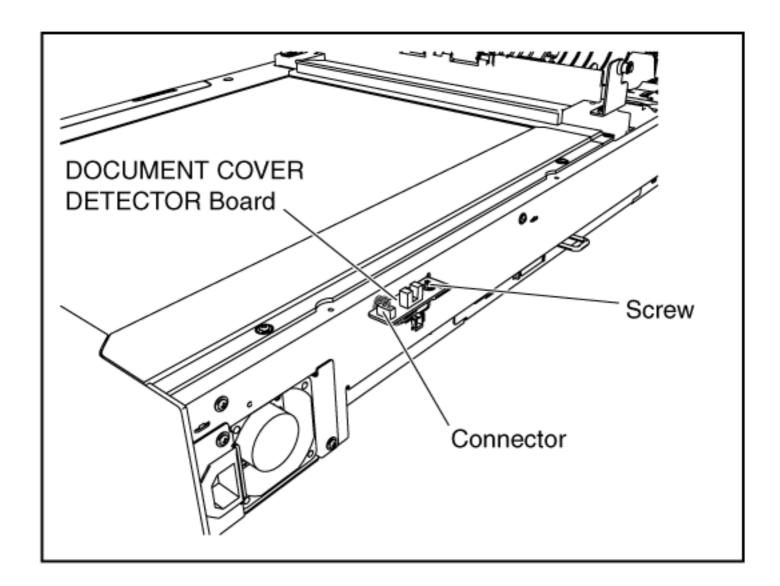
- 1. Remove the Document Cover. (See 8.2.2.)
- 2. Remove the 4 screws (a) and 2 screws (b) to separate the Back Cover from the scanner.



8.2.6 DOCUMENT COVER DETECTOR Board

TOP PREVIOUS NEXT

- 1. Remove the Back Cover. (See 8.2.5.)
- 2. Remove the 1 screw and 1 connector to release the DOCUMENT COVER DETECTOR Board.



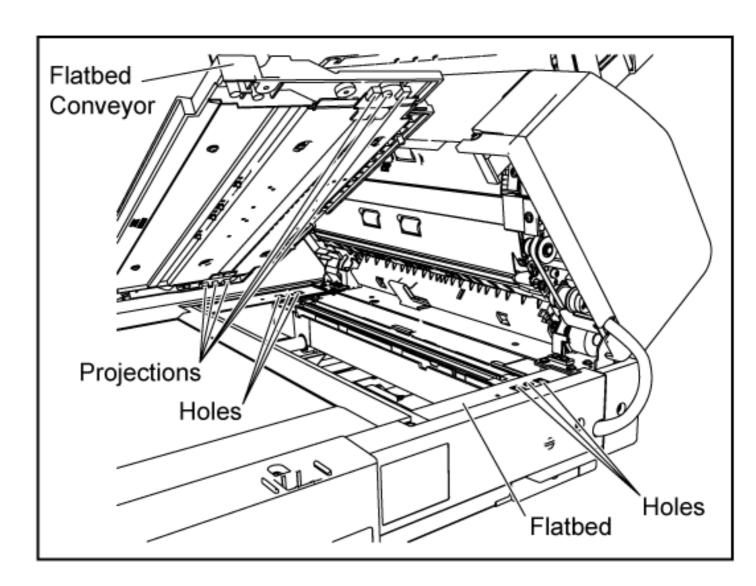
8.2.7 Flatbed Conveyor

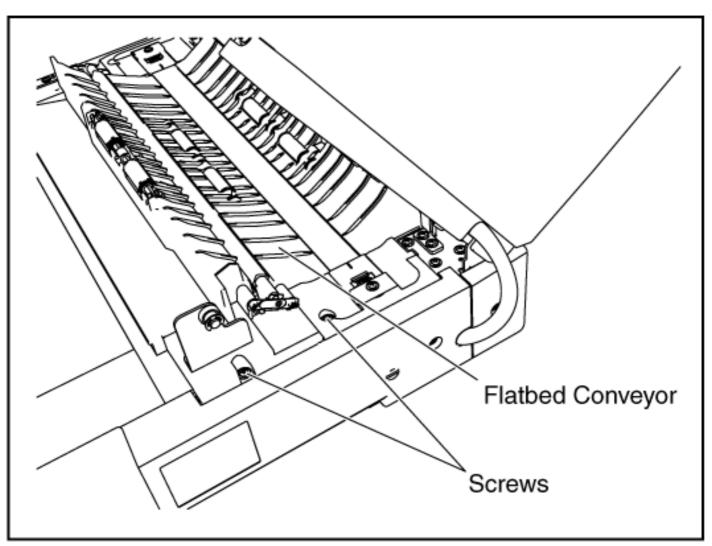
TOP PREVIOUS NEXT

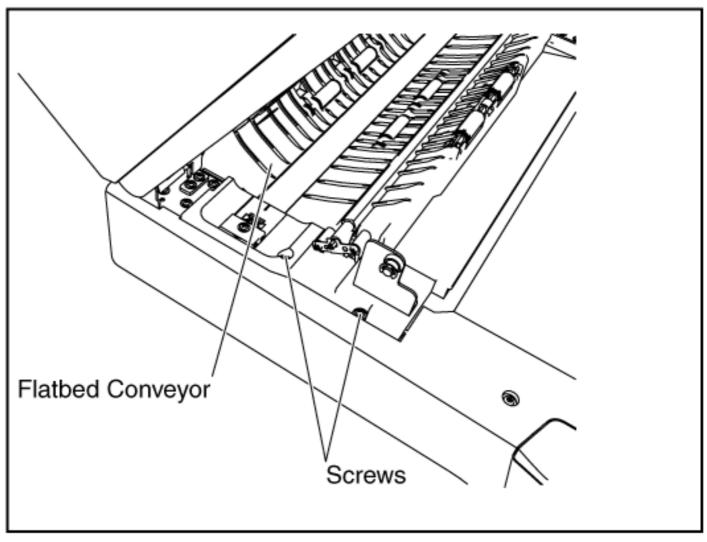
- 1. Remove the Document Cover. (See 8.2.2.)
- 2. Remove the 4 screws and lift the Flatbed Conveyor.

Reassembling Note:

Be sure to match projections of the conveyor with the holes of the flatbed, and attach it to the scanner.







Screws	/	`	•
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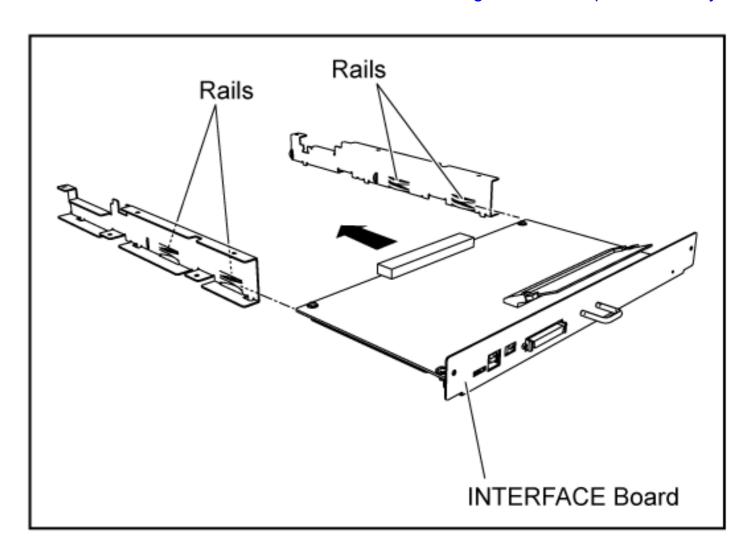
8.2.8 INTERFACE Board

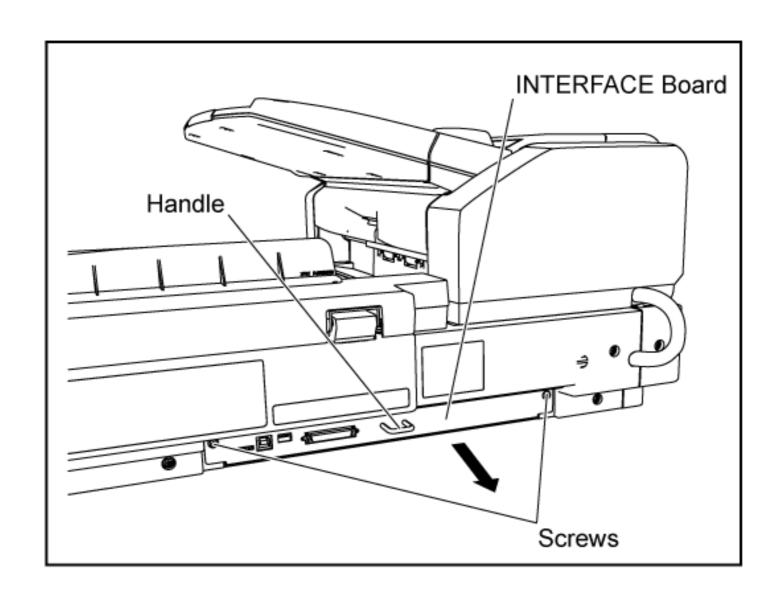
TOP PREVIOUS NEXT

- 1. Remove the 2 screws.
- 2. Pull the handle in the direction of the arrow to remove the INTERFACE Board.

Reassembling Note:

Insert the INTERFACE Board into the scanner unit along the rails and push it in firmly.

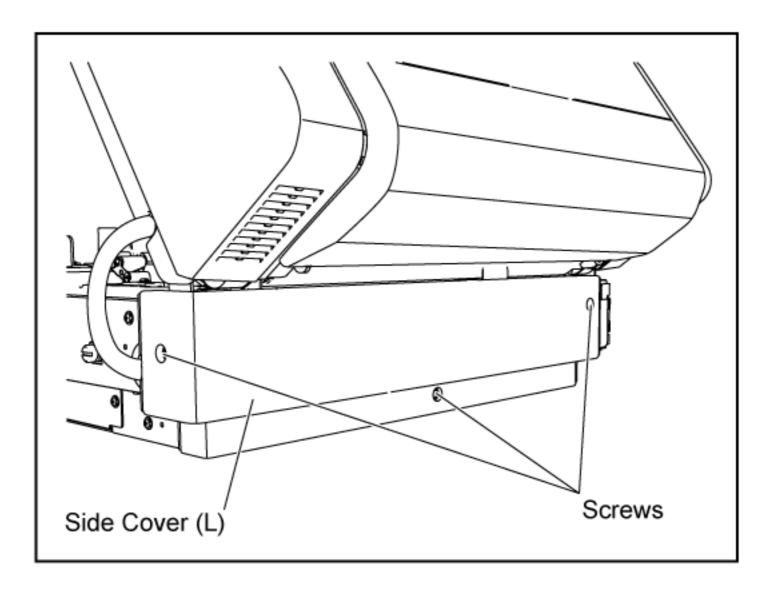




8.2.9 Side Cover (L)

TOP PREVIOUS NEXT

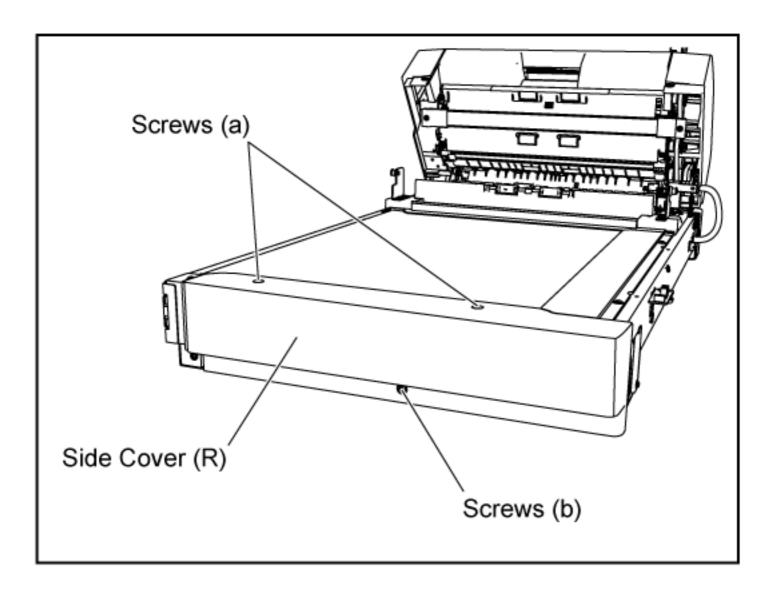
- 1. Remove the Front Cover. (See 8.2.3.)
- 2. Remove the Back Cover. (See 8.2.5.)
- 3. Remove the 3 screws to separate the Side Cover (L) from the scanner.



8.2.10 Side Cover (R)

TOP PREVIOUS NEXT

- 1. Remove the Front Cover. (See 8.2.3.)
- 2. Remove the Back Cover. (See 8.2.5.)
- 3. Remove the 2 screws (a) and 1 screw (b) to release the Side Cover (R) from the scanner.



8.2.11 Flatbed Glass

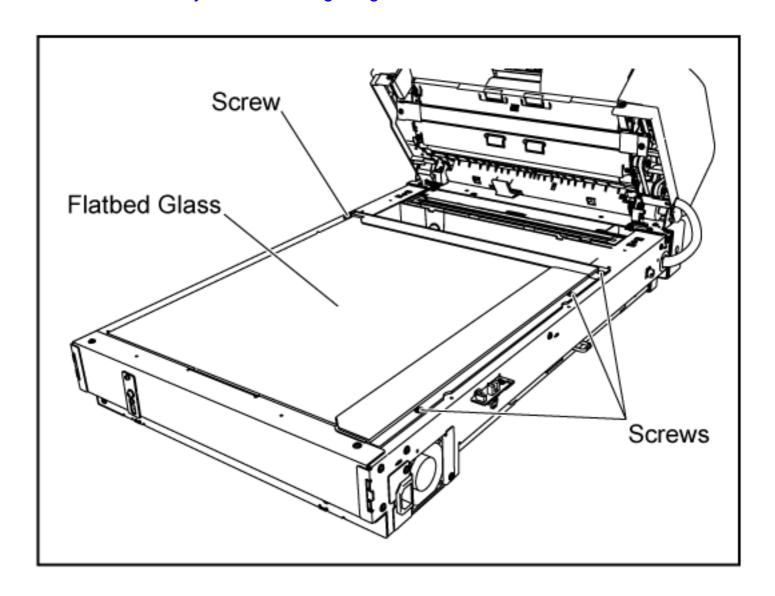
TOP PREVIOUS NEXT

- 1. Remove the Flatbed Conveyor. (See 8.2.7.)
- 2. Remove the Side Cover (R). (See 8.2.10.)
- 3. Remove the 4 screws and lift the Flatbed Glass to remove it.

Reassembling Note:

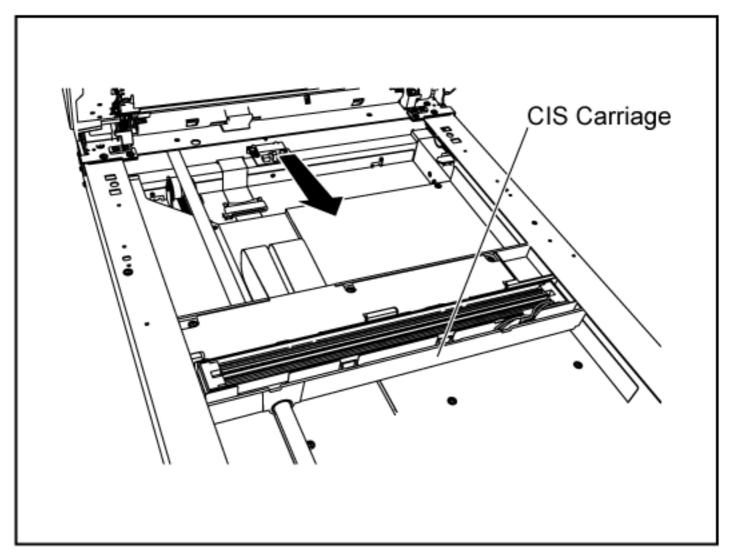
With the accessory Roller Cleaning Paper or Model KV-SS03 (Option: Roller Cleaning Paper), be sure to clean up fingerprint and dirt from the glass.

Otherwise, it may affect scanning image.

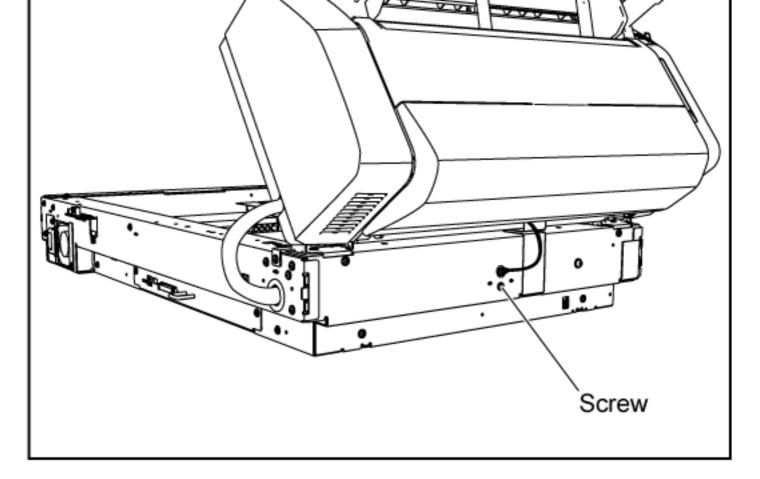


8.2.12 CARRIAGE HOME DETECTOR Board

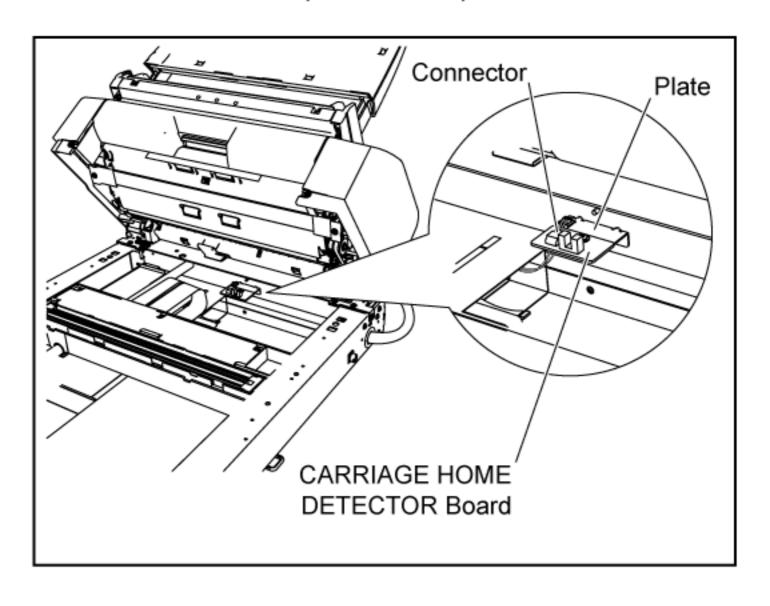
- 1. Remove the Side Cover (L). (See 8.2.9.)
- 2. Remove the Flatbed Glass. (See 8.2.11.)
- 3. Slide the CIS Carriage to the right.
- 4. Remove the 1 screw from the left side of the scanner and 1 connector to release the CARRIAGE HOME DETCTOR Board with the plate from the scanner.



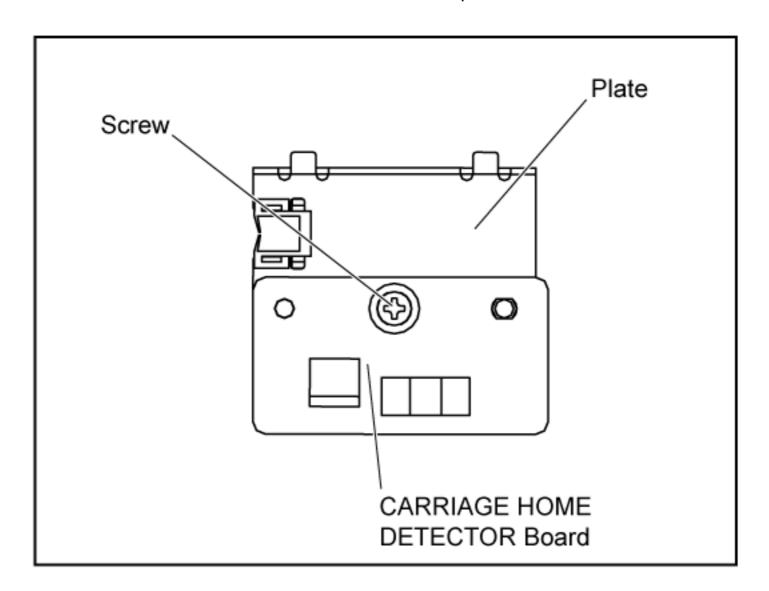




(Left Side View)

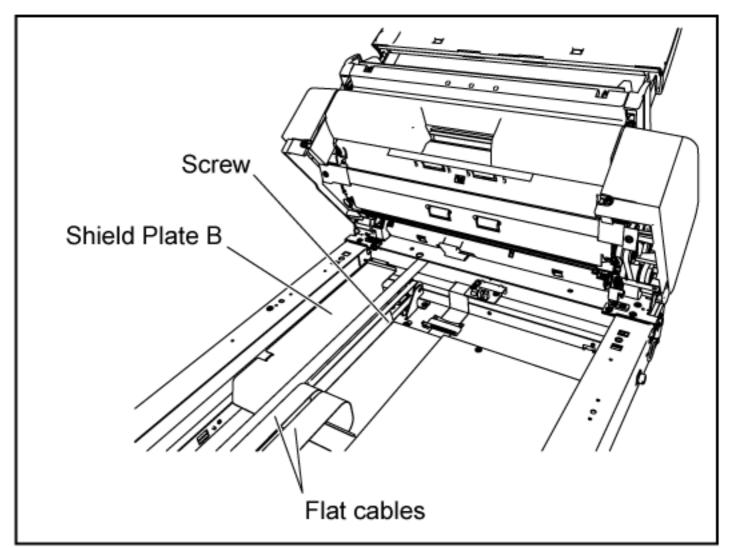


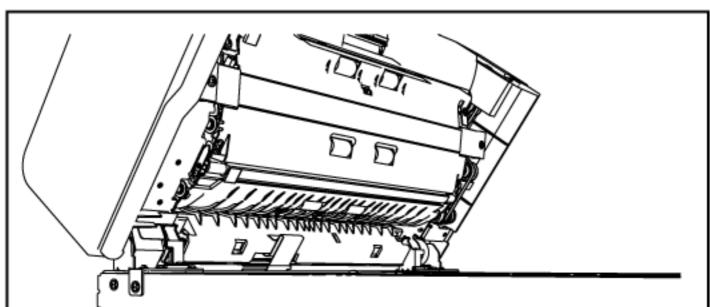
1. Remove the screw to release the board from the plate.

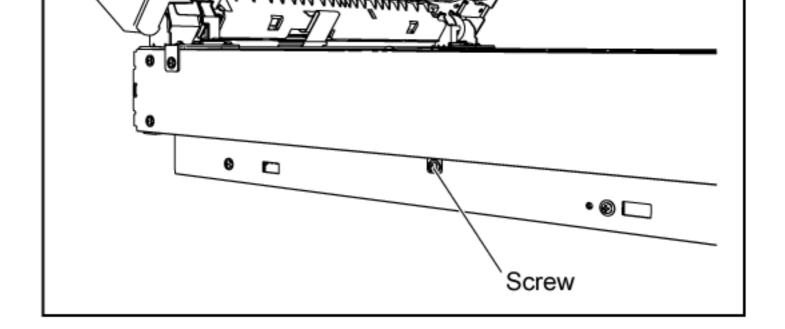


8.2.13 Shield Plates (A, B)

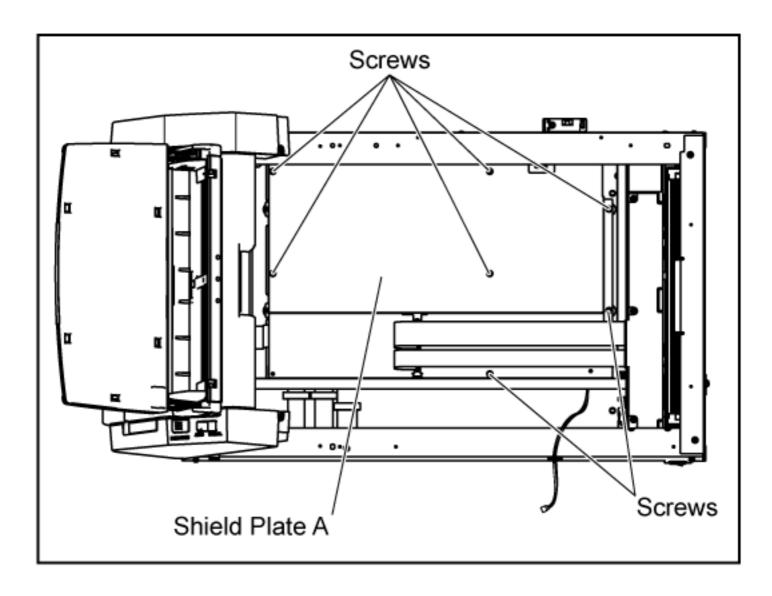
- 1. Remove the Flatbed Glass. (See 8.2.11.)
- 2. Remove the 2 screws and remove the Shield Plate B, paying attention to the contact with the flat cables.





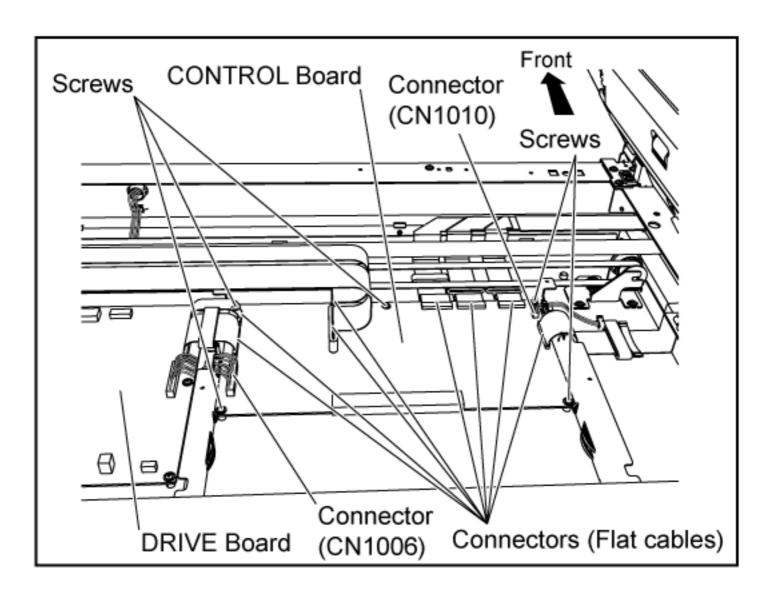


1. Remove the 7 screws and remove the Shield Plate A.



8.2.14 CONTROL Board

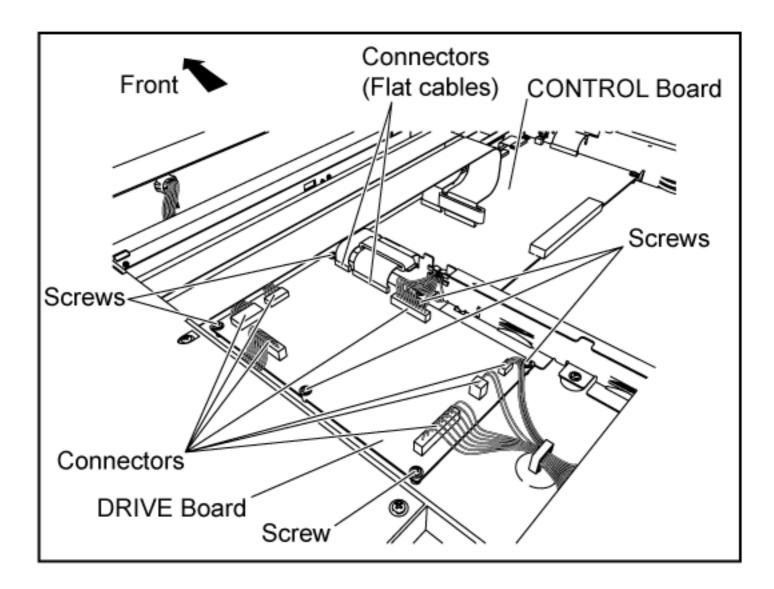
- 1. Remove the Shield Plate A. (See 8.2.13.)
- 2. Remove the Shield Plate B. (See 8.2.13.)
- 3. Remove the INTERFACE Board. (See 8.2.8.)
- 4. Disconnect the 8 flat cables and 2 connectors (CN1006, CN1010) on the CONTROL Board.
- 5. Remove the 5 screws on the CONTROL Board.



8.2.15 DRIVE Board

TOP PREVIOUS NEXT

- 1. Remove the Shield Plate A. (See 8.2.13.)
- 2. Remove the Shield Plate B. (See 8.2.13.)
- 3. Disconnect the 2 flat cables and 7 connectors on the DRIVE Board.
- 4. Remove the 6 screws on the DRIVE Board.

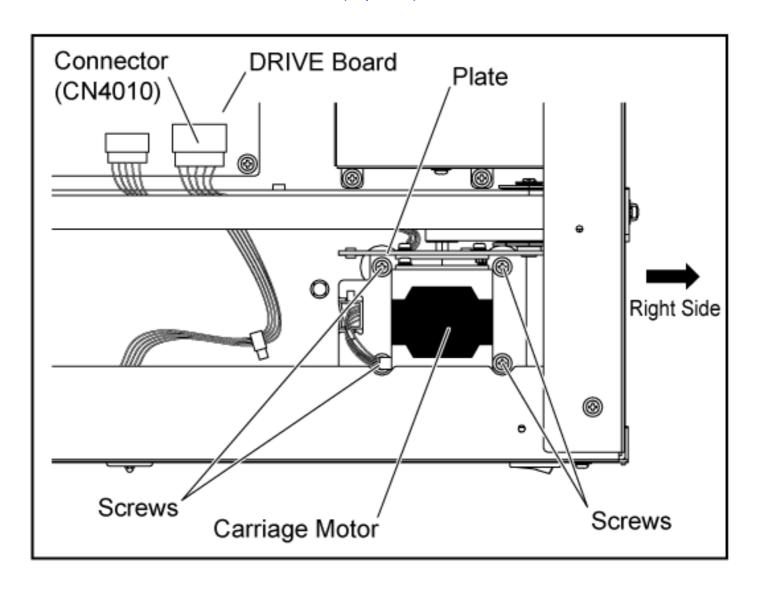


8.2.16 Carriage Motor

TOP PREVIOUS NEXT

- 1. Remove the Shield Plate A. (See 8.2.13.)
- 2. Remove the Shield Plate B. (See 8.2.13.)
- 3. Remove the 4 screws and 1 connector (CN4010) on the DRIVE Board to release the Carriage Motor with the plate from the scanner.

(Top View)



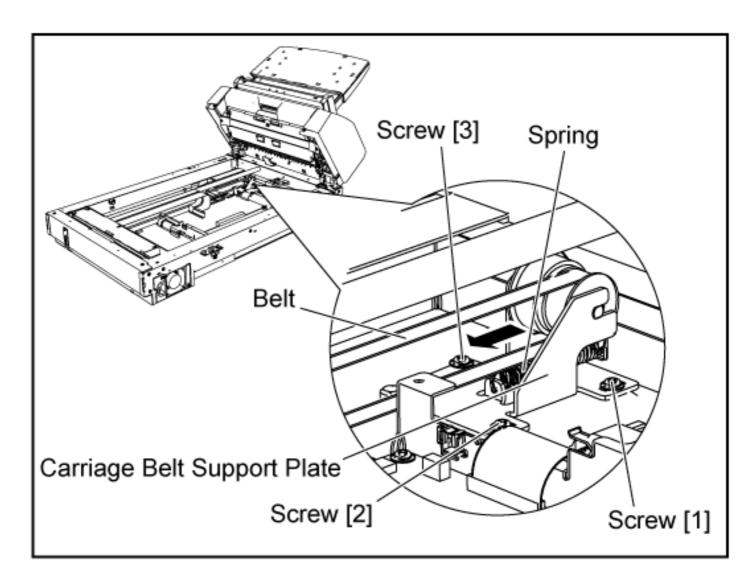
1. Remove the 2 screws to separate the motor from the plate and belt.

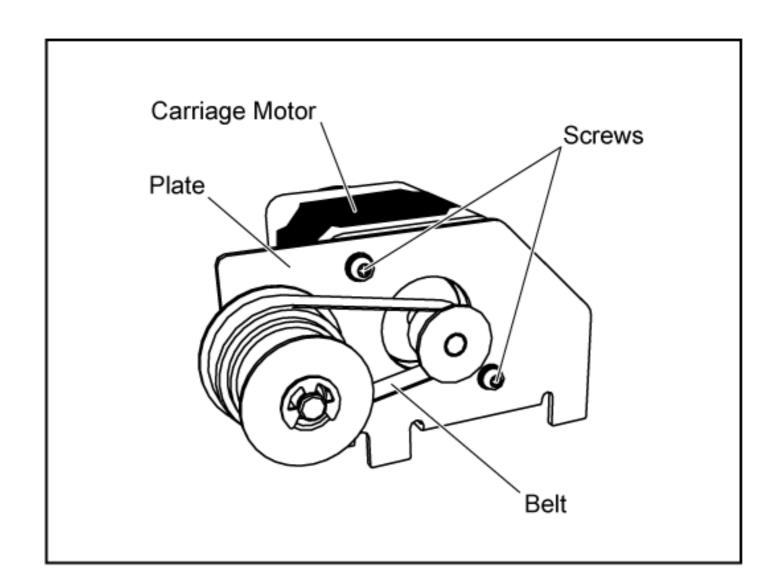
Reassembling Note:

A. Loosen the 3 screws and pull the Carriage Belt Support Plate in the direction of the arrow so as to reattach the Carriage Belt easily.

And tighten the 3 screws.

- B. Reattach the Carriage Motor and belt to the original position in the reverse order of the disassembling.
- C. Loosen the 3 screws again, which makes the belt tension increased, naturally.
- D. Tighten the 3 screws in order of [1], [2], and [3].





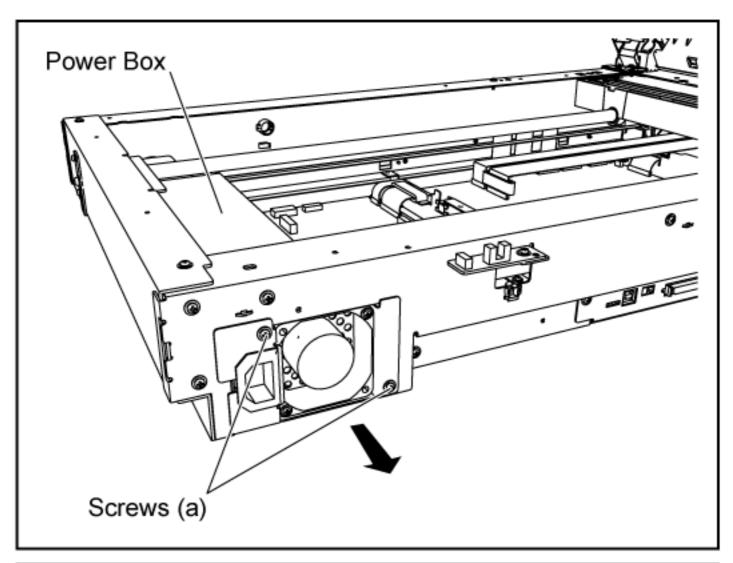
8.2.17 Power Box& Cover

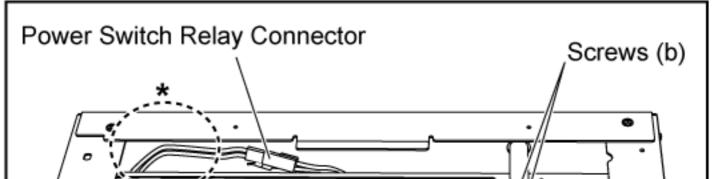
TOP PREVIOUS NEXT

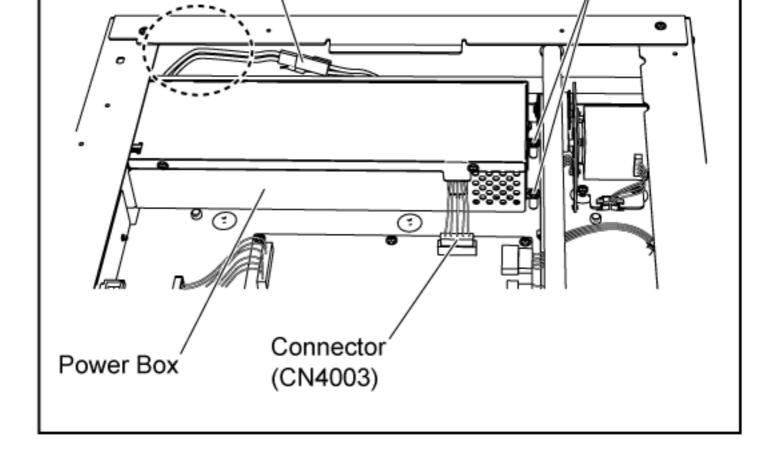
- 1. Remove the Shield Plates (A, B). (See 8.2.13.)
- 2. Remove the 2 screws (a), 2 screws (b), and 2 connectors (CN4003, Power Switch Relay Connector) and pull out the Power Box in the direction of the arrow.

Note:

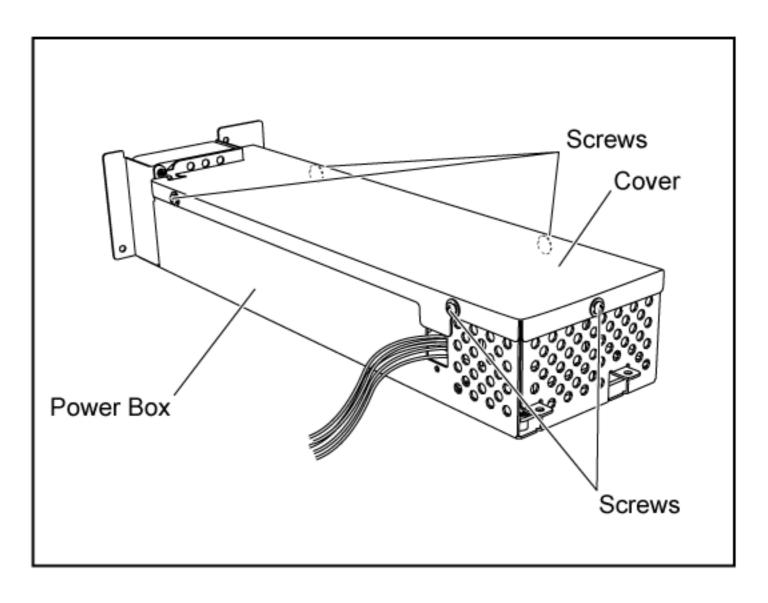
* When pulling out Power Box, be sure not to damage the Power Switch Relay Connector in the Power Box.





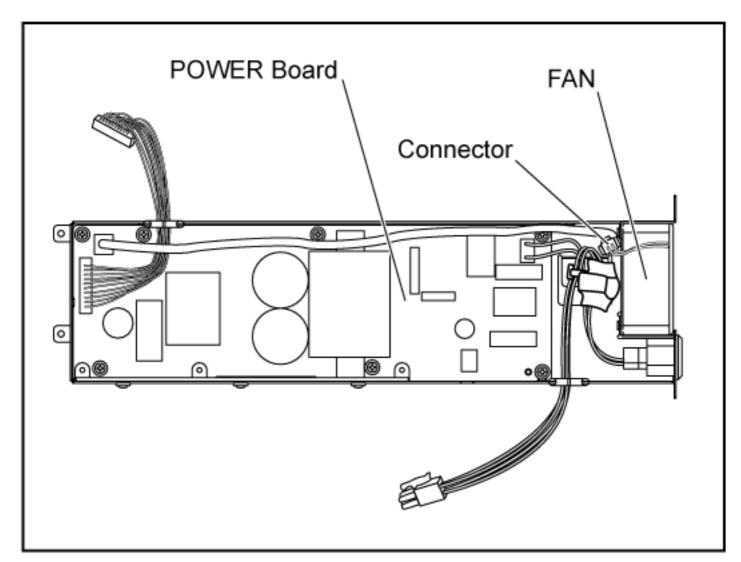


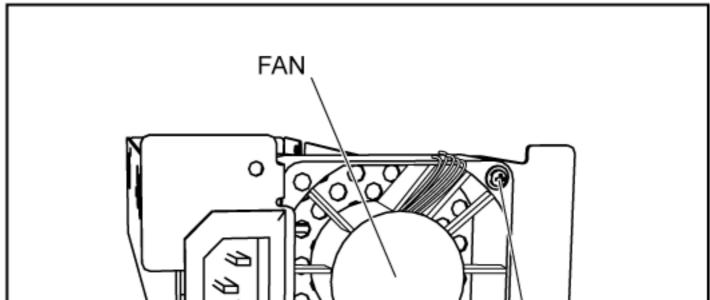
1. Remove the 5 screws to release the Cover from the box.

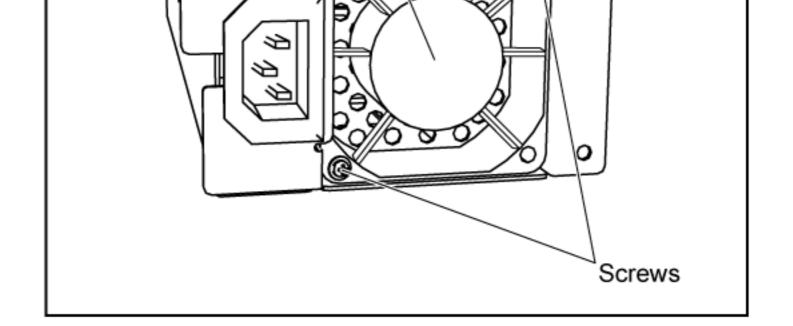


8.2.18 FAN

- 1. Remove the Power Box & Cover. (See 8.2.17.)
- 2. Remove the 1 connector to the POWER Board and 2 screws to release the FAN from the board.



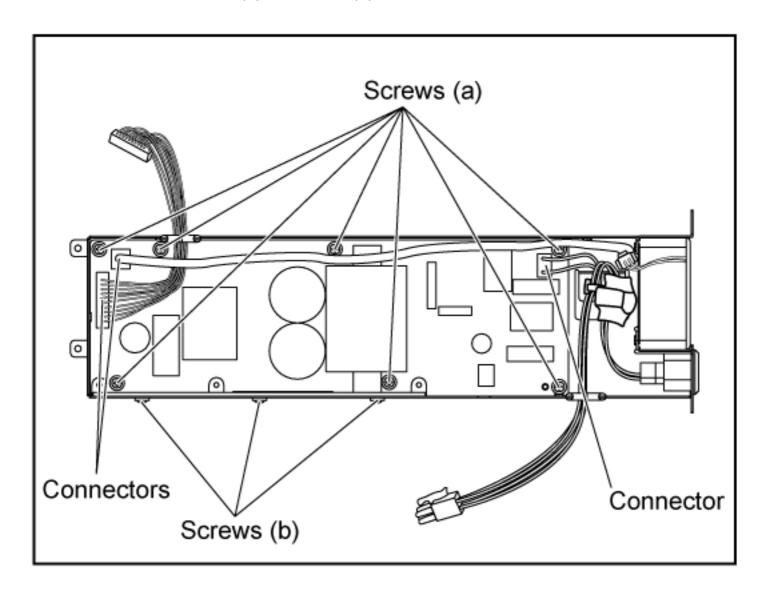




8.2.19 POWER Board

TOP PREVIOUS NEXT

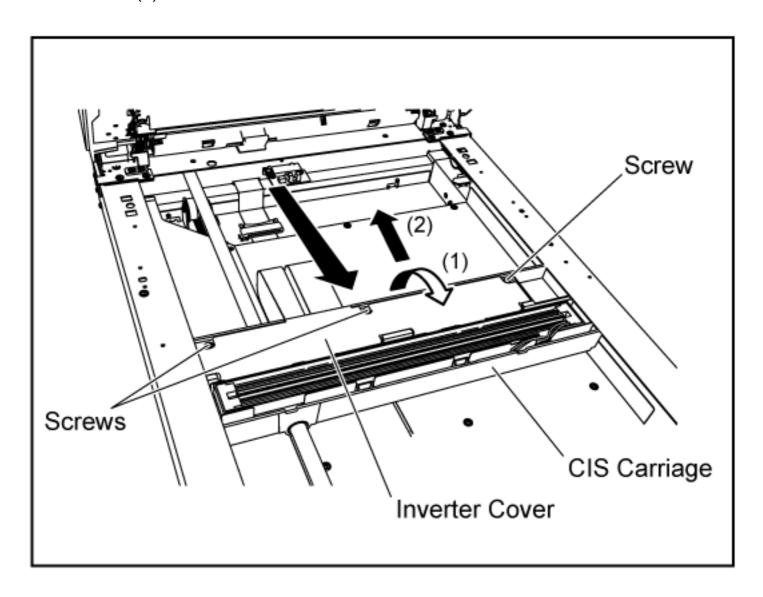
- 1. Remove the Power Box & Cover. (See 8.2.17.)
- 2. Remove the 7 screws (a), 3 screws (b), and all connectors on the POWER Board.



8.2.20 Inverter Cover

TOP PREVIOUS NEXT

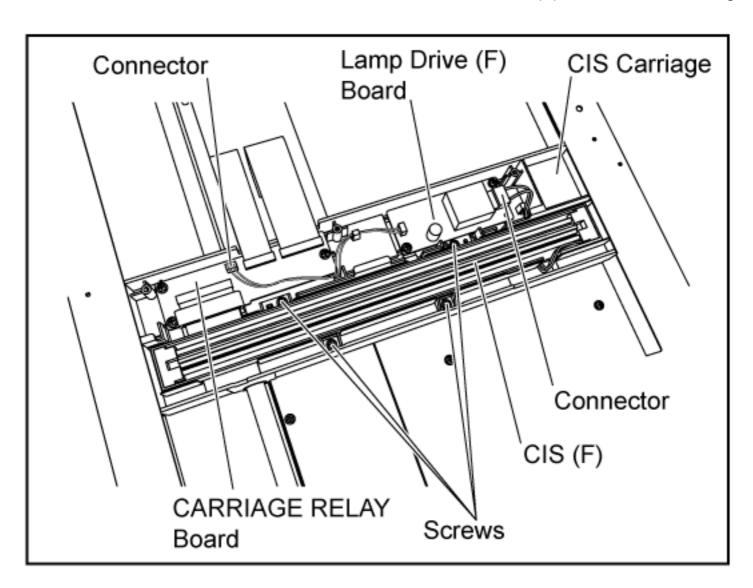
- 1. Remove the Flatbed Glass. (See 8.2.11.)
- 2. Slide the CIS Carriage to the right.
- 3. Remove the 3 screws to release the Inverter Cover from the carriage.
- 4. Lift the Inverter Cover in the direction of the arrow (1), and slide it in the direction of the arrow (2) to remove it.



8.2.21 CIS (F)

TOP PREVIOUS NEXT

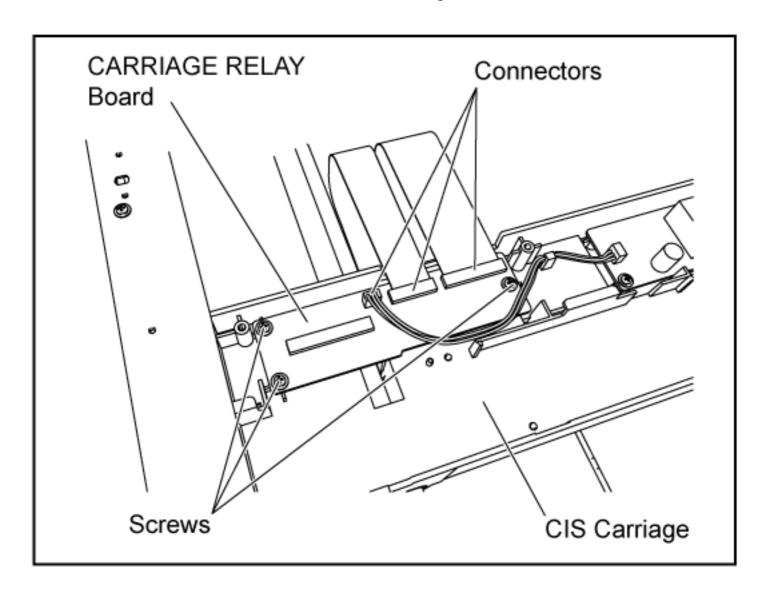
- 1. Remove the Inverter Cover. (See 8.2.20.)
- 2. Remove the 4 screws and 2 connectors to release the CIS (F) from the CIS Carriage.



8.2.22 CARRIAGE RELAY Board

TOP PREVIOUS NEXT

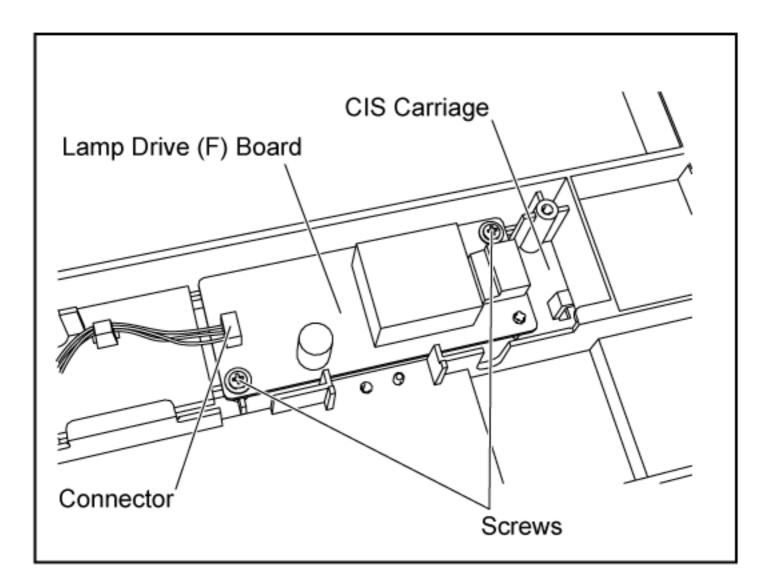
- 1. Remove the CIS (F). (See 8.2.21.)
- 2. Remove the 3 connectors (CN3000, CN3001, CN3002) and 3 screws to release the CARRIAGE RELAY Board from the CIS carriage.



8.2.23 Lamp Drive (F) Board

TOP PREVIOUS NEXT

- 1. Remove the CIS (F). (See 8.2.21.)
- 2. Remove the 1 connector and 2 screws to release the Lamp Drive (F) Board from the CIS Carriage.



8.3 Disassembly for ADF Block

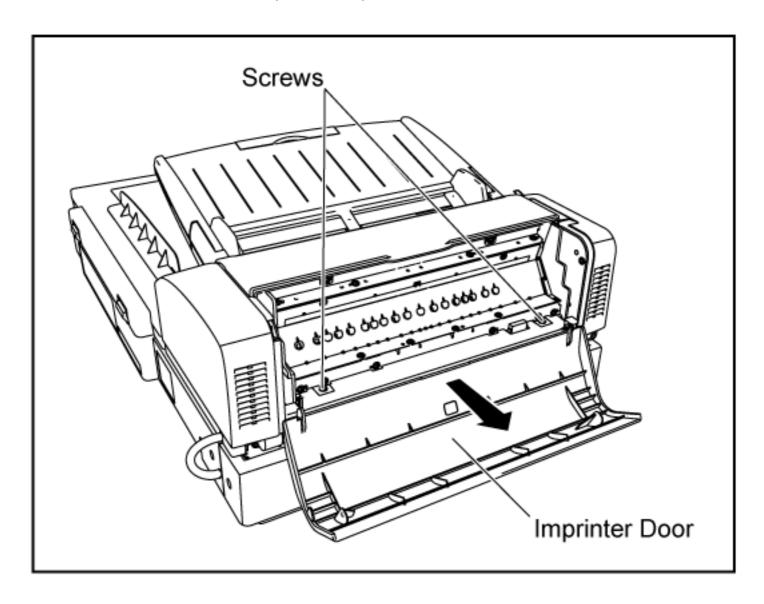
TOP PREVIOUS NEXT
8.3.1 Imprinter Door
8.3.2 Double Feed Detector (R)
8.3.3 OUTER CONVEYOR RELAY Board
8.3.4 Paper Feed Roller Module
8.3.5 Retard Roller
8.3.6 Top Cover
8.3.7 WAITING SENSOR Board
8.3.8 Hopper Tray
8.3.9 Hopper
8.3.10 SIZE DETECTOR Board
8.3.11 Paper Sensor
8.3.12 ADF Cover (F)
8.3.13 SENSOR RELAY Board
8.3.14 ADF Cover (B)
8.3.15 ADF Door Switch
8.3.16 POWER RELAY Board
8.3.17 Conveyor 1
8.3.18 Drive Belts 1, 2, 3

8.3.19 Drive Rollers 1, 2, 3
8.3.20 Double Feed Detector (G)
8.3.21 STARTING SENSOR Board
8.3.22 ADF Glass (B)
8.3.23 Conveyor 2
8.3.24 Drive Roller 4
8.3.25 Hopper Front Cover
8.3.26 Hopper Base
8.3.27 HOPPER HOME DETECTOR Board
8.3.28 Retard Conveyor
8.3.29 HOPPER RELAY Board
8.3.30 Exit Conveyor
8.3.31 Exit Roller
8.3.32 ENDING SENSOR Board
8.3.33 Exit Door Switch
8.3.34 CIS (B) & CIS RELAY Board
8.3.35 Lamp Drive (B) Board
8.3.36 Paper Feed Motor
8.3.37 Conveyor Motor

8.3.1 Imprinter Door

TOP PREVIOUS NEXT

1. Remove the 2 screws and pull the Imprinter Door in the direction of the arrow.

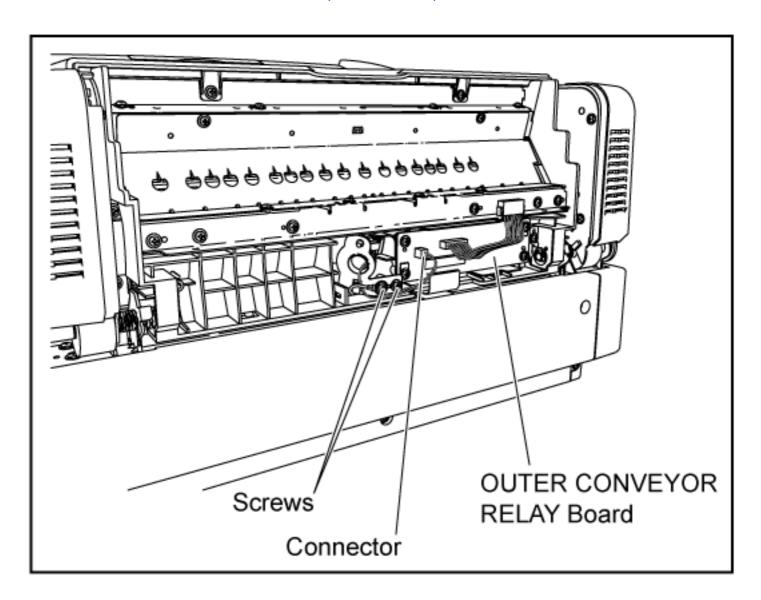


8.3.2 Double Feed Detector (R)

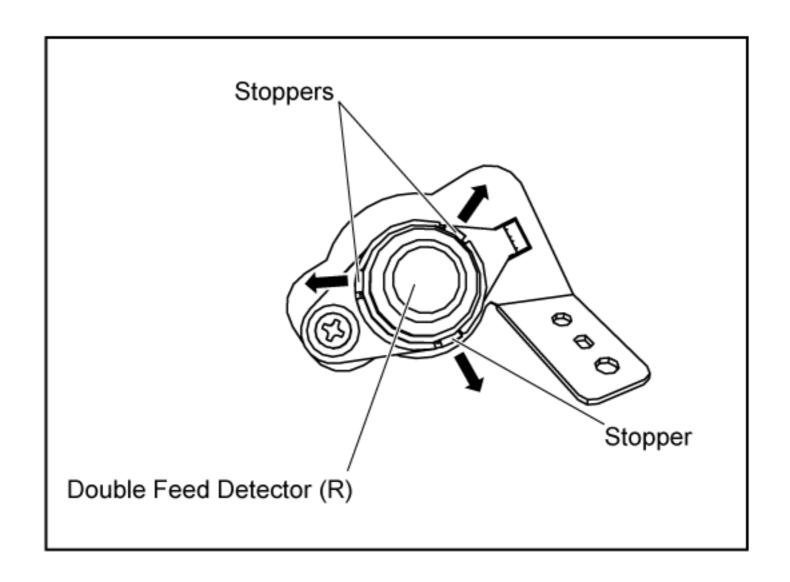
TOP PREVIOUS NEXT

- 1. Remove the Imprinter Door. (See 8.3.1.)
- 2. Remove the 2 screws and 1 connector to the OUTER CONVEYOR RELAY Board.

(Left Side View)



1. Release the stoppers of detector base to remove the Double Feed Detector (R).

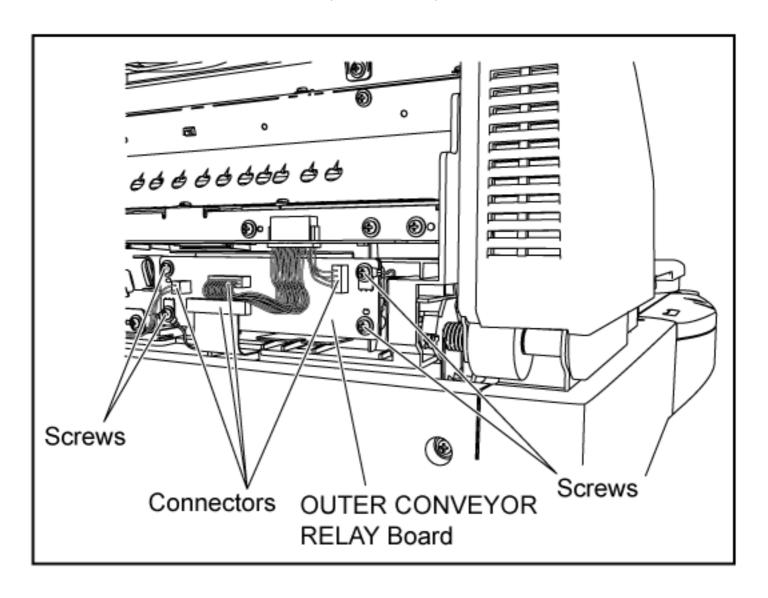


8.3.3 OUTER CONVEYOR RELAY Board

TOP PREVIOUS NEXT

- 1. Remove the Imprinter Door. (See 8.3.1.)
- 2. Remove the 4 screws and 4 connectors (CN5001, CN5002, CN5003, CN5004) on the OUTER CONVEYOR RELAY Board.

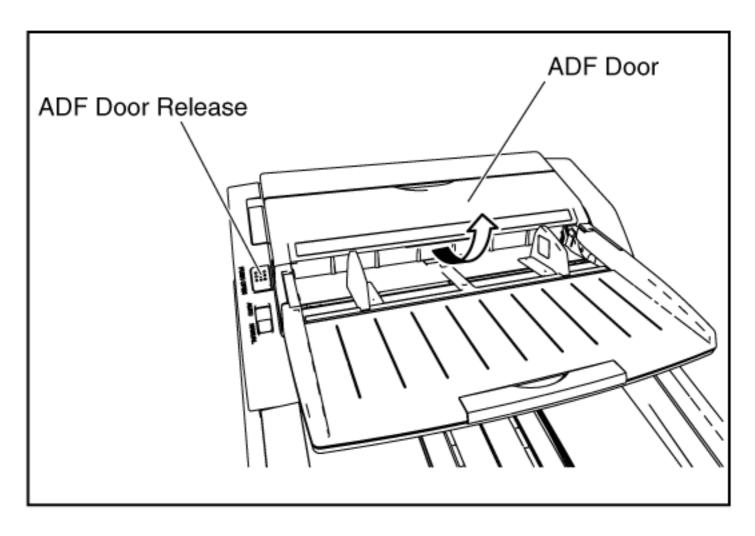
(Left Side View)



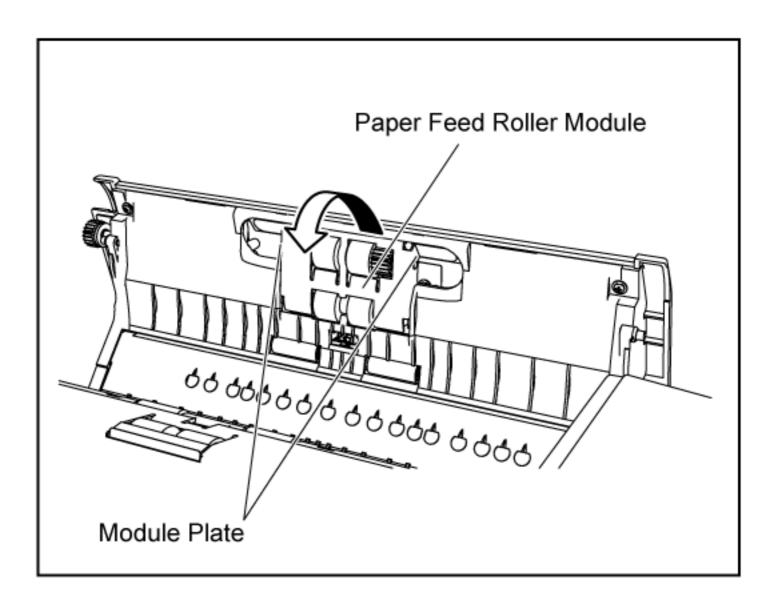
8.3.4 Paper Feed Roller Module

TOP PREVIOUS NEXT

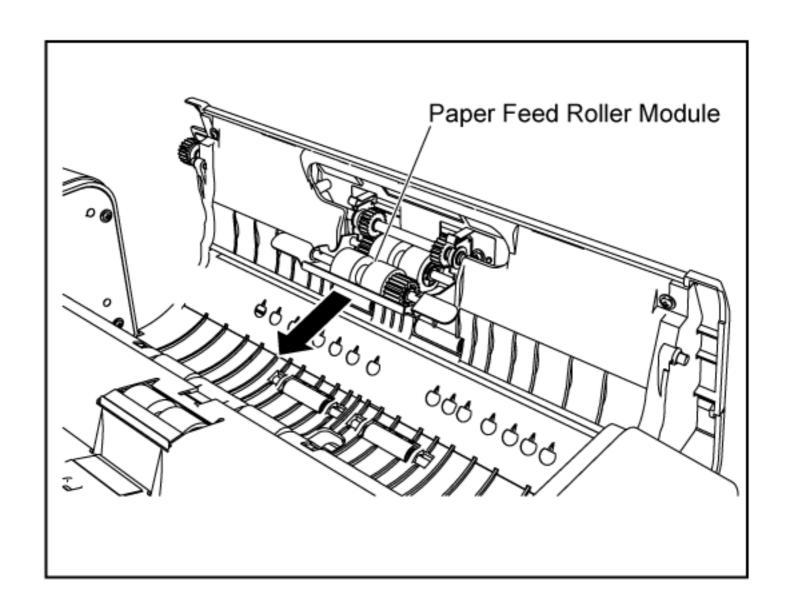
1. Push the ADF Door Release to open the ADF Door.



1. Pull down the Paper Feed Roller Module, holding both sides of the module plate in the direction of the arrows.



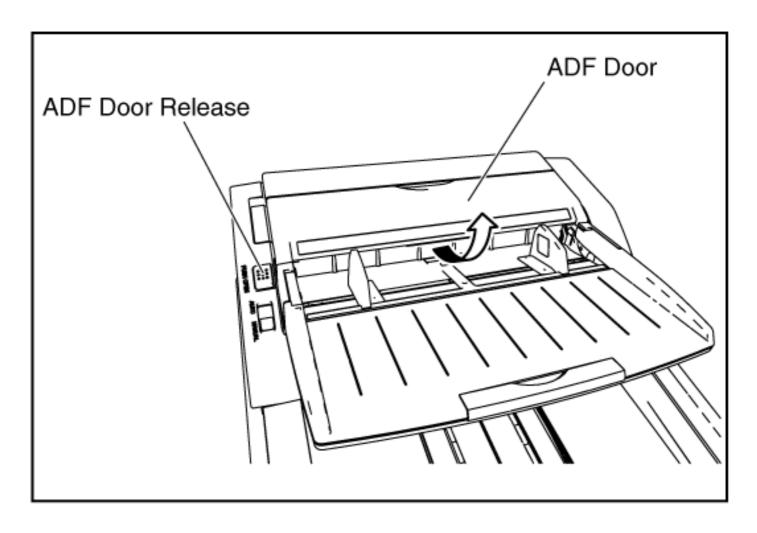
1. Remove the module as shown on the figure.



8.3.5 Retard Roller

TOP PREVIOUS NEXT

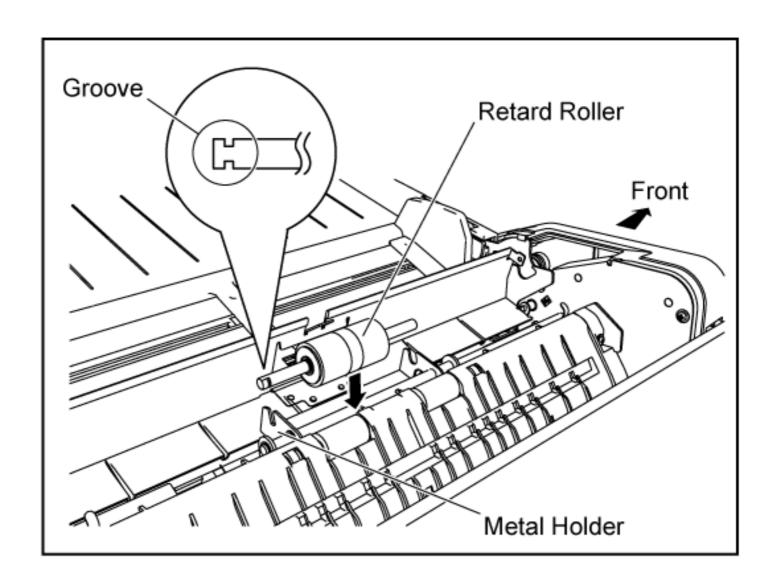
1. Push the ADF Door Release to open the ADF Door.

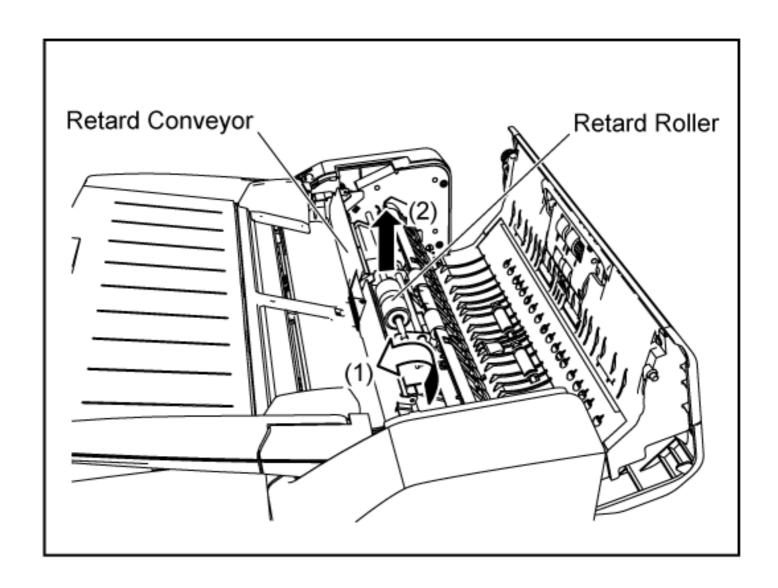


- 1. Open the Retard Conveyor in the direction of the arrow (1).
- 2. Remove the Retard Roller, pulling up the shaft in the direction of the arrow (2).

Reassembling Note:

Install the Retard Roller with the groove of its shaft that is located on the back side of the scanner and match the groove to the back side of the metal holder on the scanner.

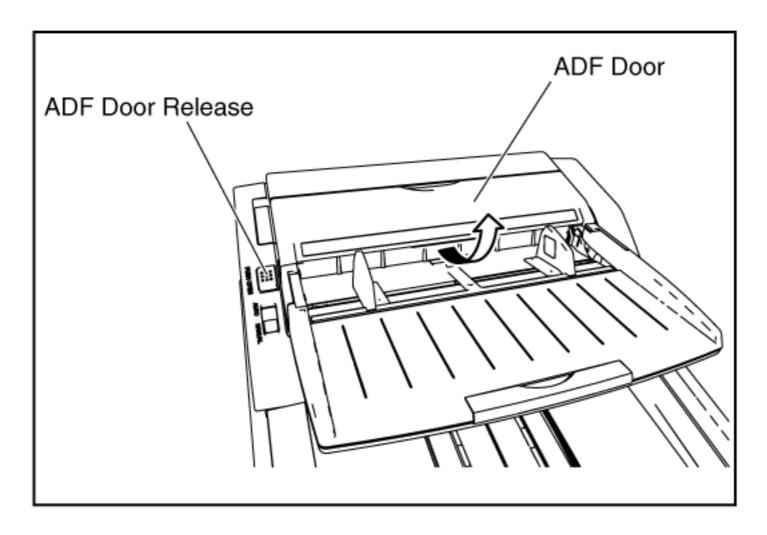




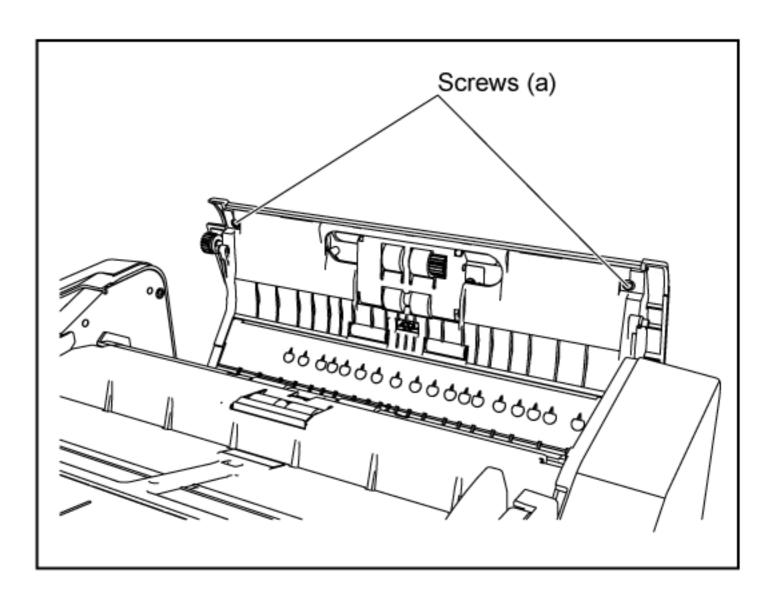
8.3.6 Top Cover

TOP PREVIOUS NEXT

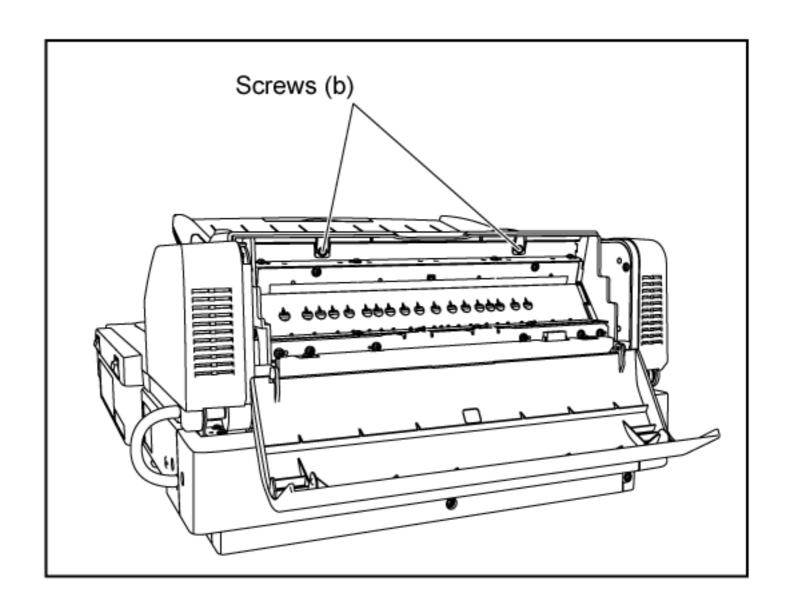
1. Push the ADF Door Release to open the ADF Door.



1. Remove the 2 screws (a).



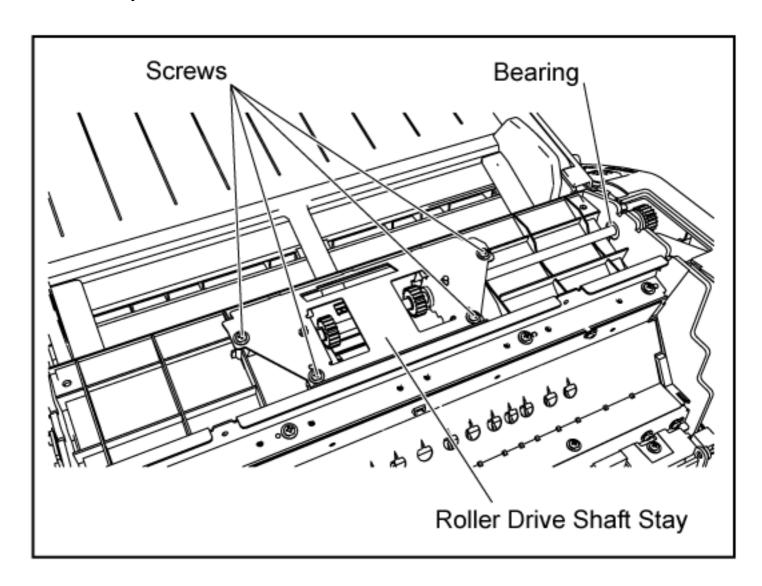
1. Open the Imprinter Door and remove the 2 screws (b).



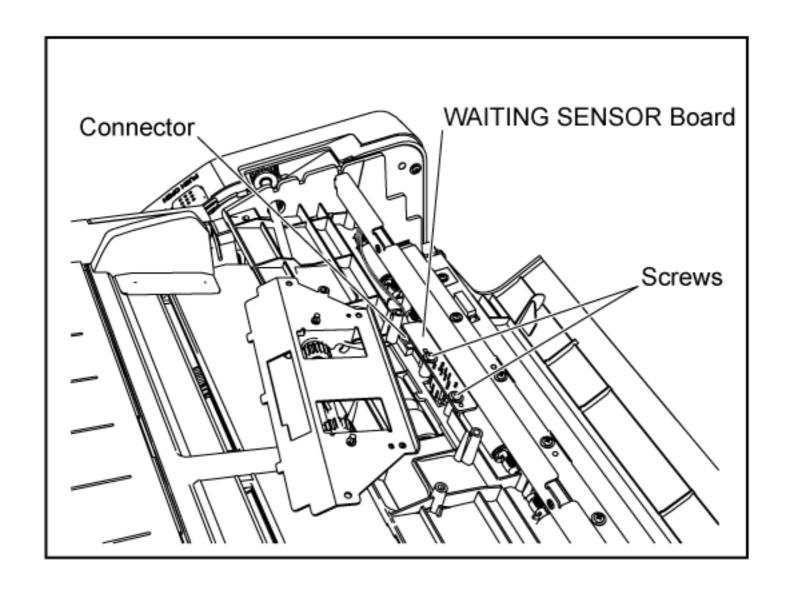
8.3.7 WAITING SENSOR Board

TOP PREVIOUS NEXT

- 1. Remove the Paper Feed Roller Module. (See 8.3.4.)
- 2. Remove the Top Cover. (See 8.3.6.)
- 3. Remove the 4 screws on the Roller Drive Shaft Stay.
- 4. Release the bearing of the roller shaft from the scanner and shift the Roller Drive Shaft Stay so that the WAITING SENSOR Board can be removed.



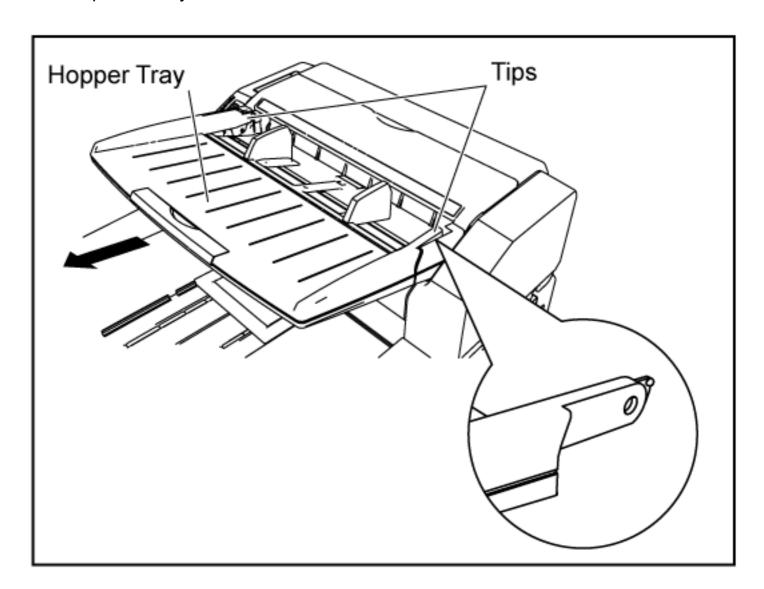
1. Remove the 2 screws and 1 connector, and release the board from the scanner.



8.3.8 Hopper Tray

TOP PREVIOUS NEXT

- 1. Unlock the one end tip of the Hopper Tray, distorting the tray.
- 2. And pull the tray in the direction of the arrow to remove it.

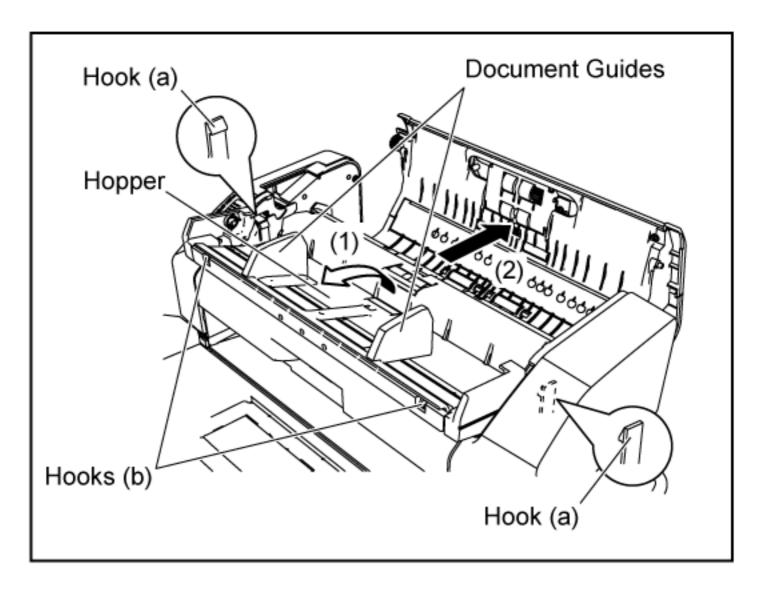


8.3.9 Hopper

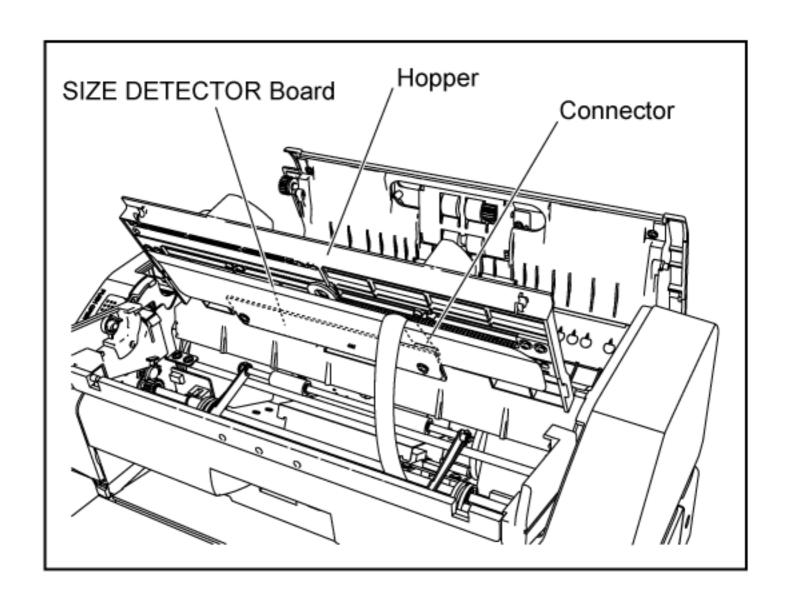
TOP PREVIOUS NEXT

- 1. Remove the Hopper Tray. (See 8.3.8.)
- 2. Lift up the Hopper in the direction of the arrow (1) and unlock it from the hooks (a) on the both sides, holding the Document Guides. And unlock the hooks (b) and pull out it in the direction of the arrow (2).

(TopBack View)

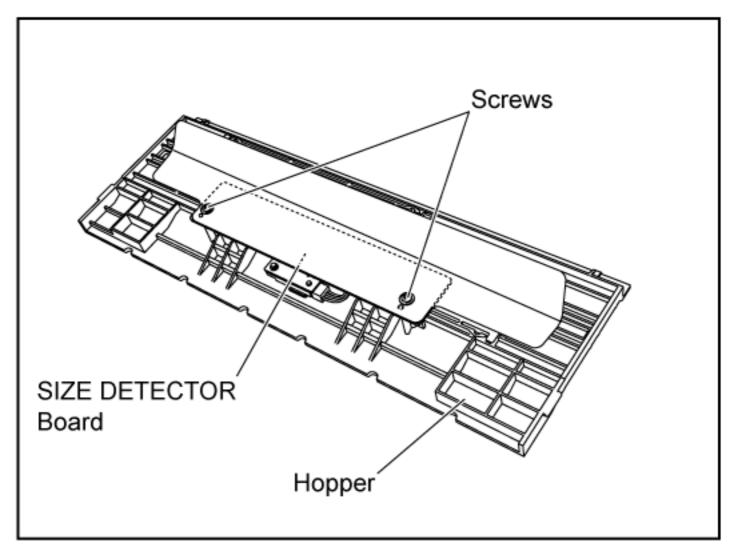


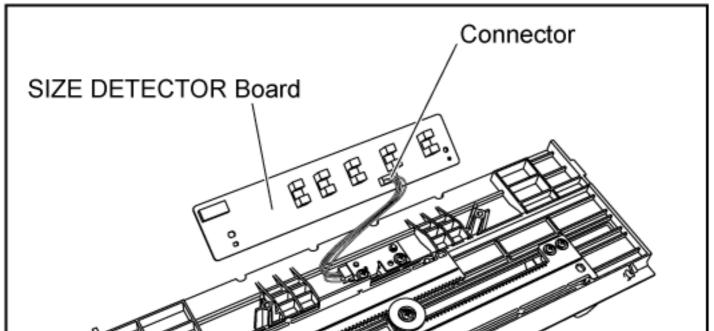
1. Remove the 1 connector (CN5010) to separate the Hopper from the scanner.

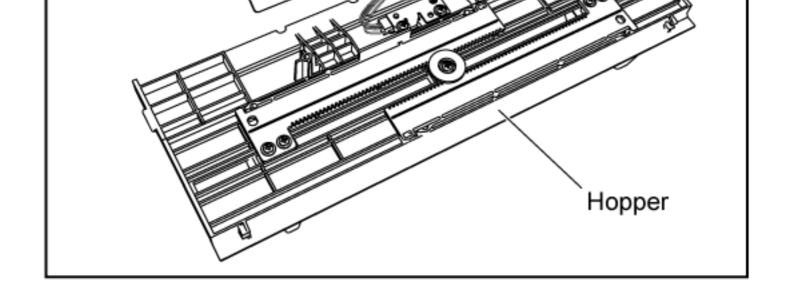


8.3.10 SIZE DETECTOR Board

- 1. Remove the Hopper. (See 8.3.9.)
- 2. Remove the 2 screws and 1 connector (CN5011) on the SIZE DETECTOR Board.



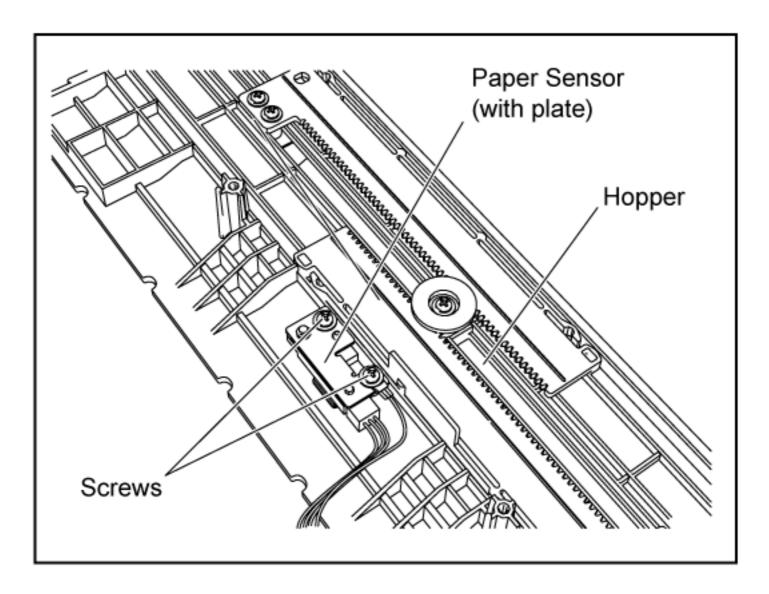




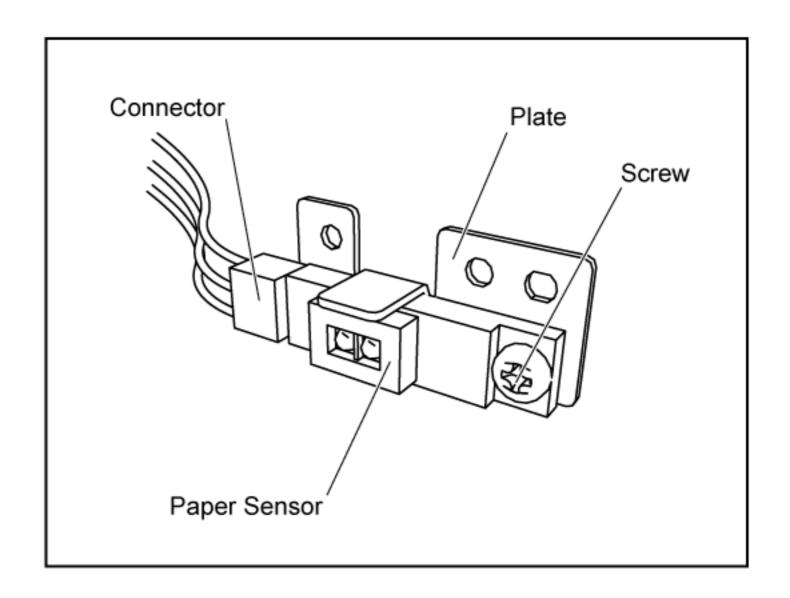
8.3.11 Paper Sensor

TOP PREVIOUS NEXT

- 1. Remove the SIZE DETECTOR Board. (See 8.3.10.)
- 2. Remove the 2 screws to release the Paper Sensor with plate from the Hopper.



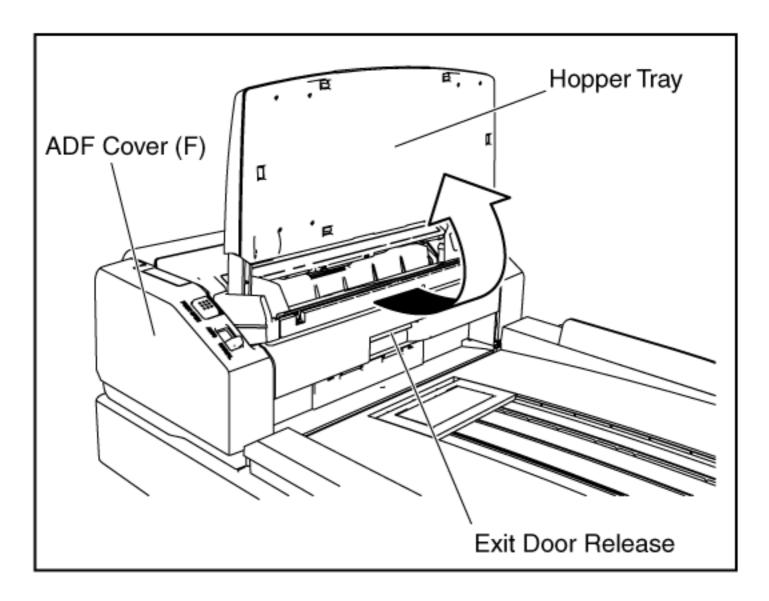
1. Remove the 1 screw and 1 connector to separate the sensor from the plate.



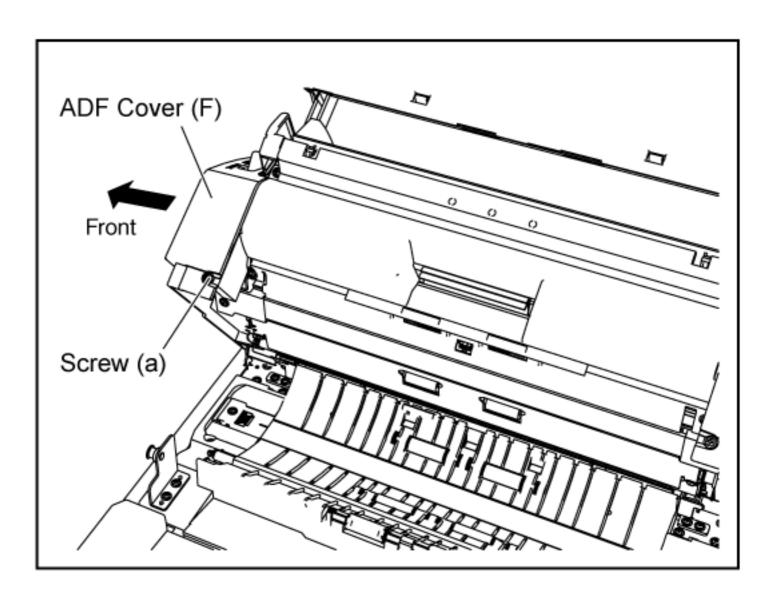
8.3.12 ADF Cover (F)

TOP PREVIOUS NEXT

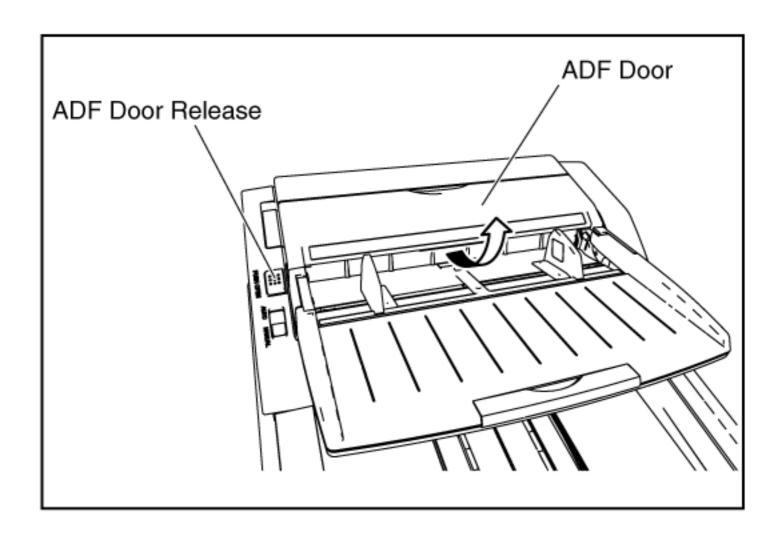
1. Fold the Hopper Tray in the direction of the arrow, and pull the Exit Door Release to open the Exit Door.



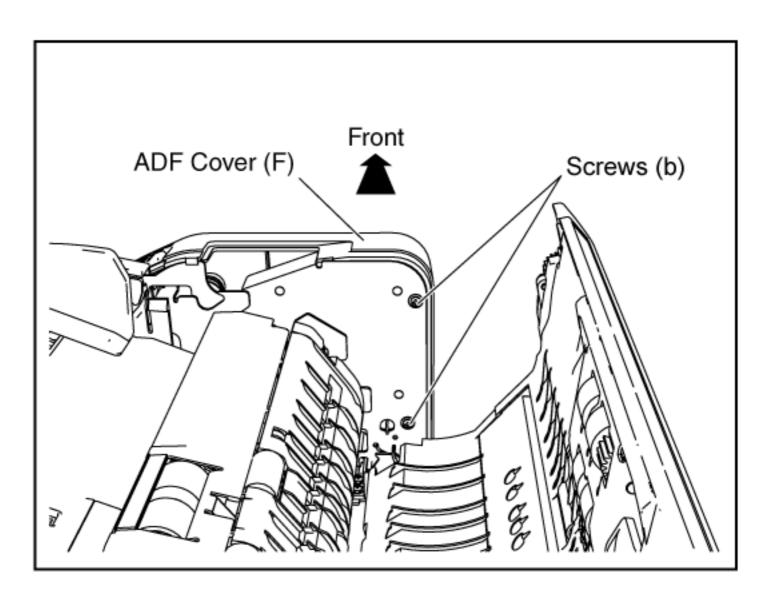
1. Remove the 1 screw (a).



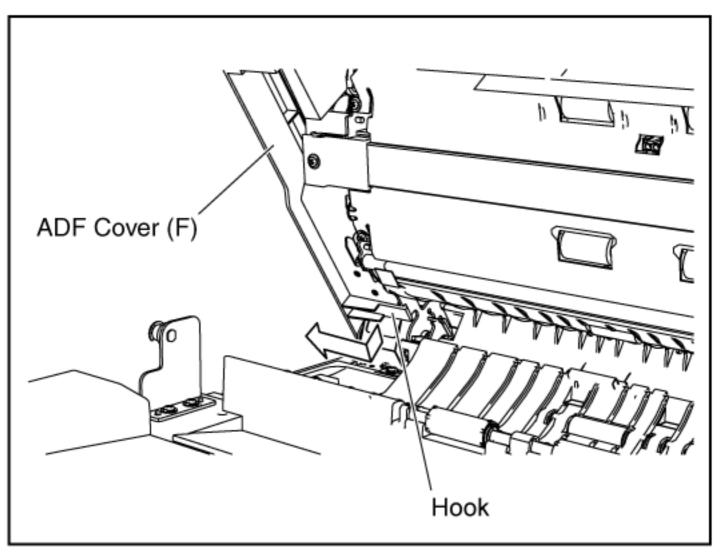
1. Push the ADF Door Release to open the ADF Door.

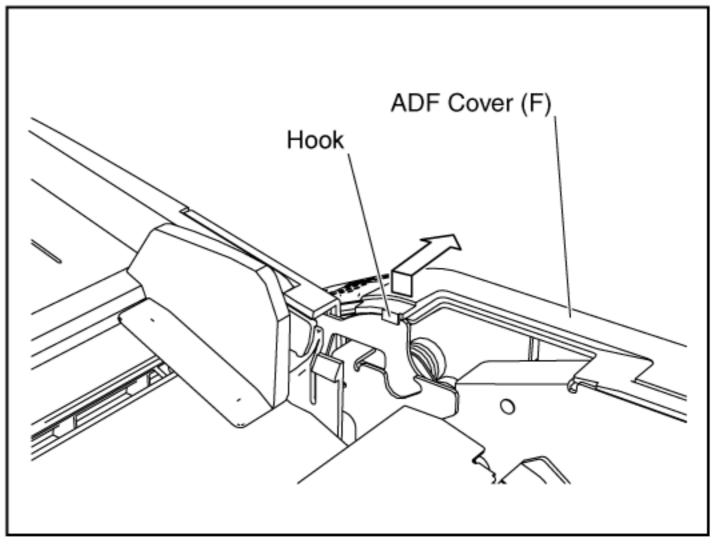


1. Remove the 2 screws (b).



1. Release the hooks in the direction of the arrows to separate the ADF Cover (F) from the scanner.





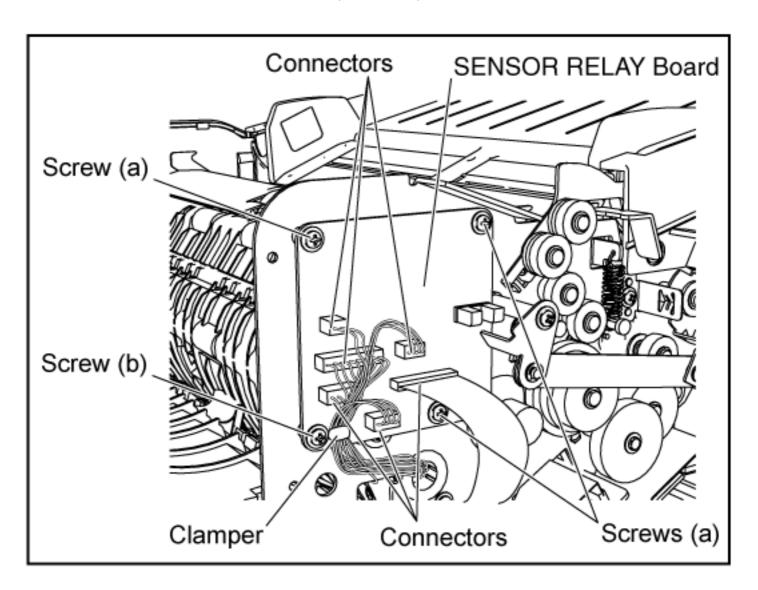


8.3.13 SENSOR RELAY Board

TOP PREVIOUS NEXT

- 1. Remove the ADF Cover (F). (See 8.3.12.)
- 2. Remove the 3 screws (a), 1 screw (b) with the clamper, and all connectors on the SENSOR RELAY Board.

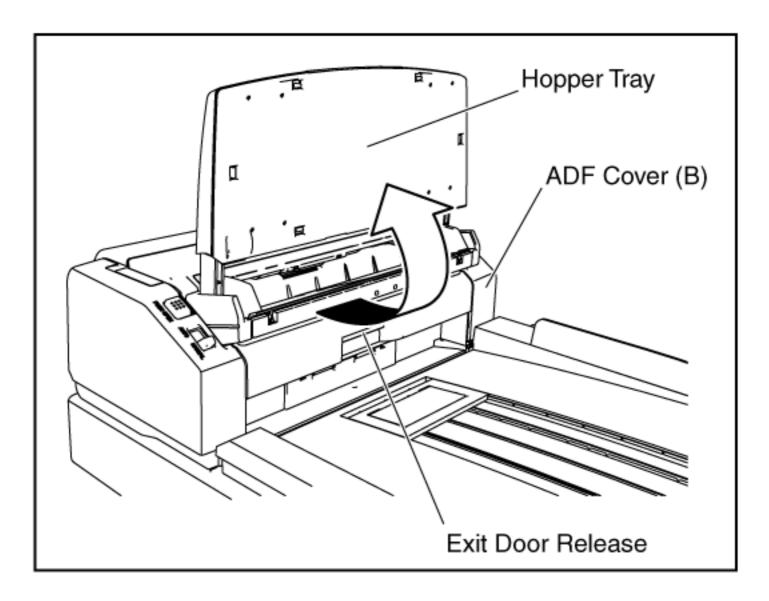
(Front View)



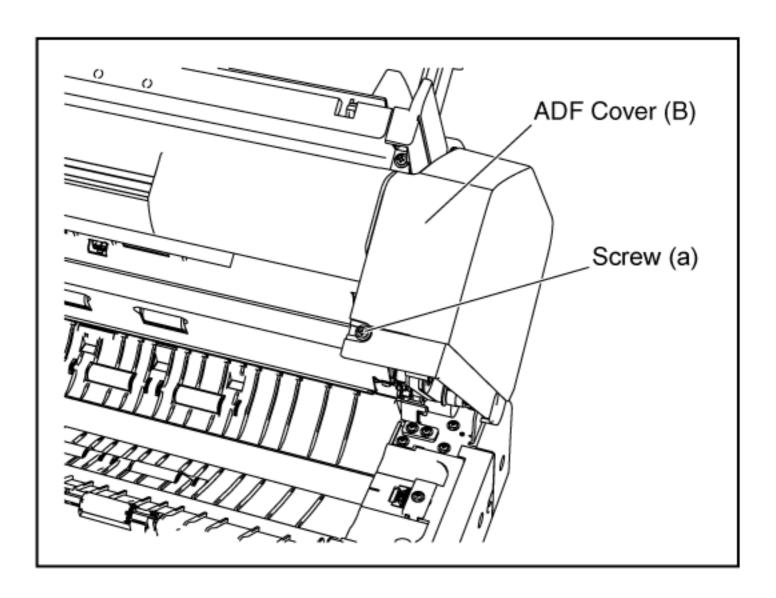
8.3.14 ADF Cover (B)

TOP PREVIOUS NEXT

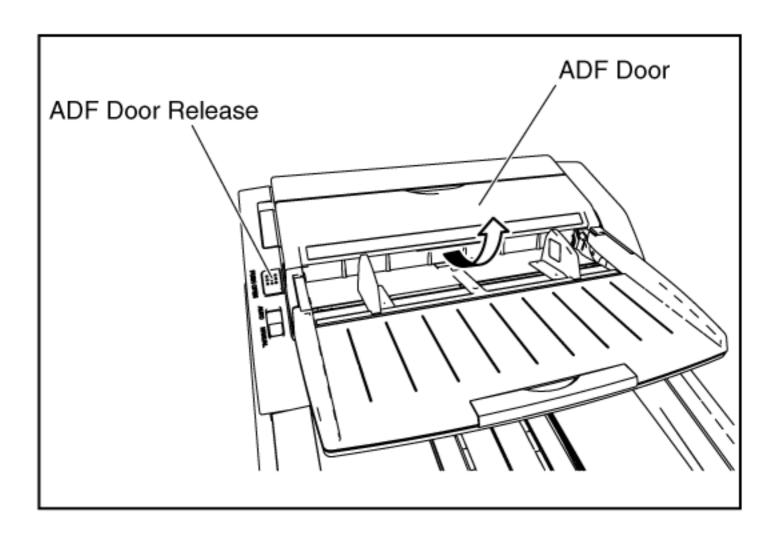
1. Fold the Hopper Tray in the direction of the arrow, and pull the Exit Door Release to open the Exit Door.



1. Remove the 1 screw (a).

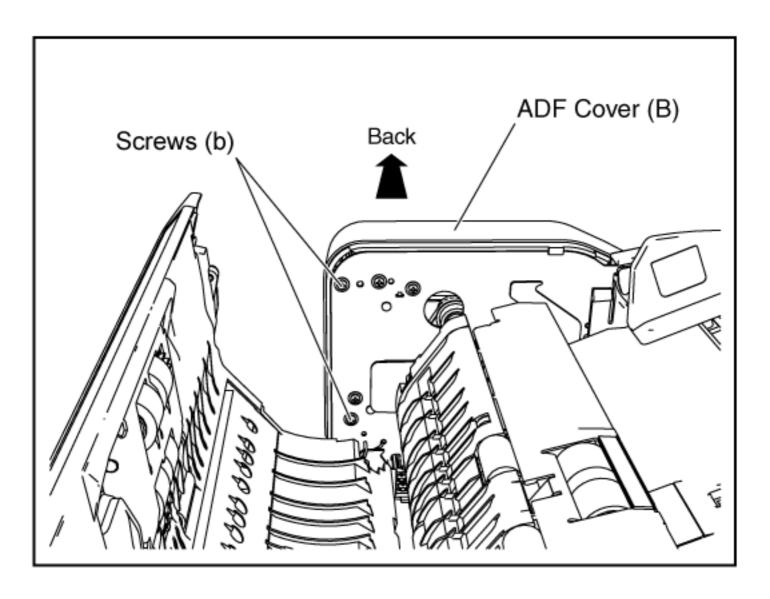


1. Push the ADF Door Release to open the ADF Door.

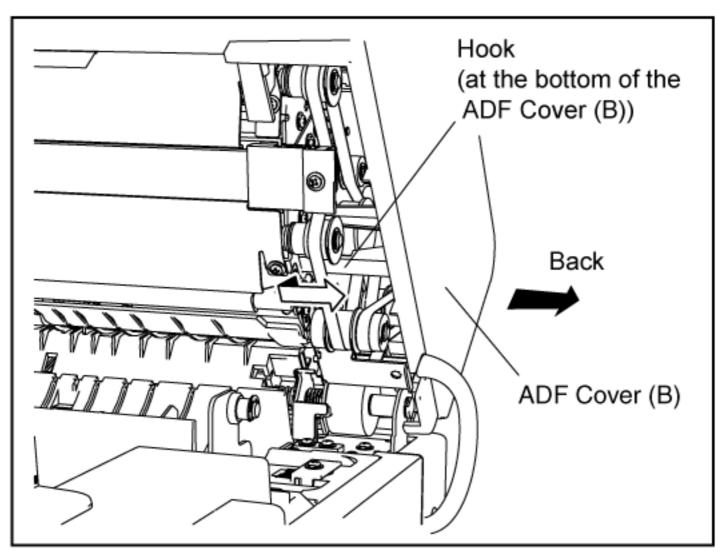


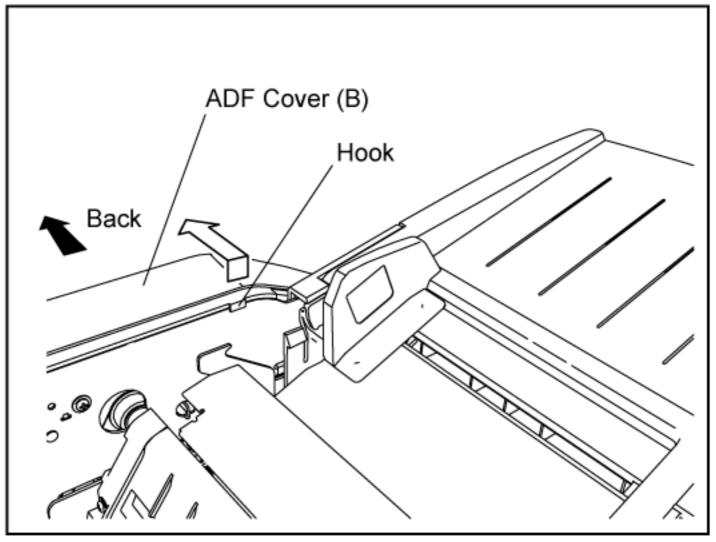
1. Remove the 2 screws (b).

(Top Front View)



1. Release the hooks to separate the ADF Cover (B) from the scanner.



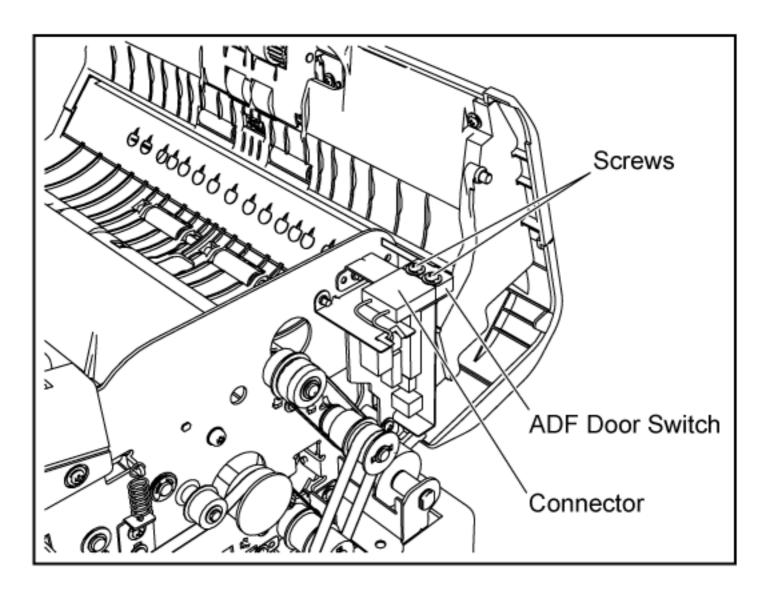




8.3.15 ADF Door Switch

TOP PREVIOUS NEXT

- 1. Remove the ADF Cover (B). (See 8.3.14.)
- 2. Remove the 1 connector and 2 screws on the ADF Door Switch.



8.3.16 POWER RELAY Board

TOP PREVIOUS NEXT

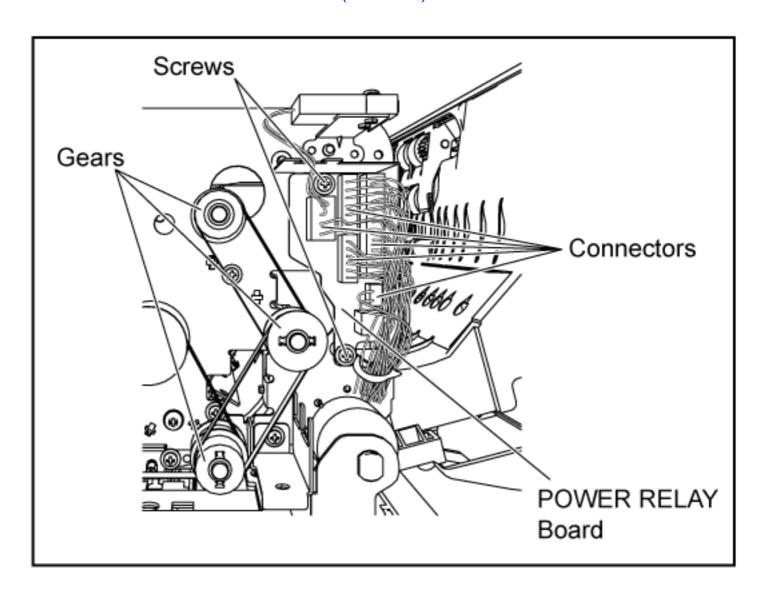
- 1. Remove the ADF Cover (B). (See 8.3.14.)
- 2. Remove all connectors and 2 screws on the POWER RELAY Board.

Reassembling Note:

WARNING:

Relocate the wires on the POWER RELAY Board so that they do not touch the gear or belts.

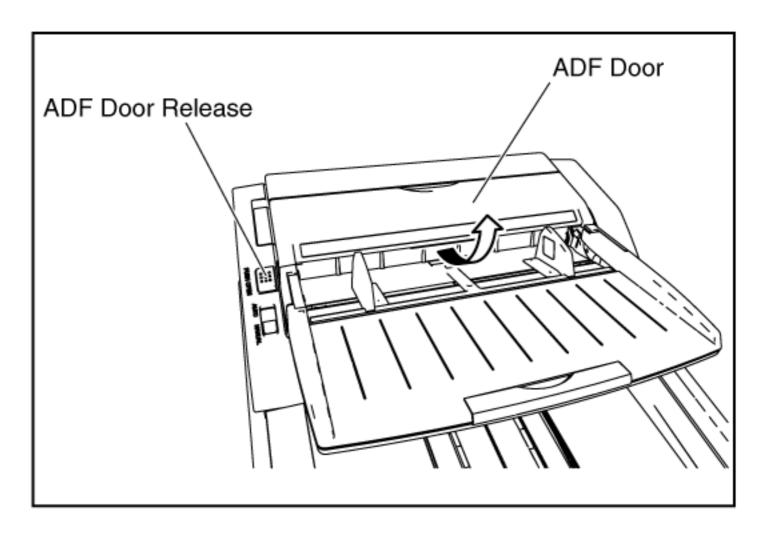
(Back View)



8.3.17 Conveyor 1

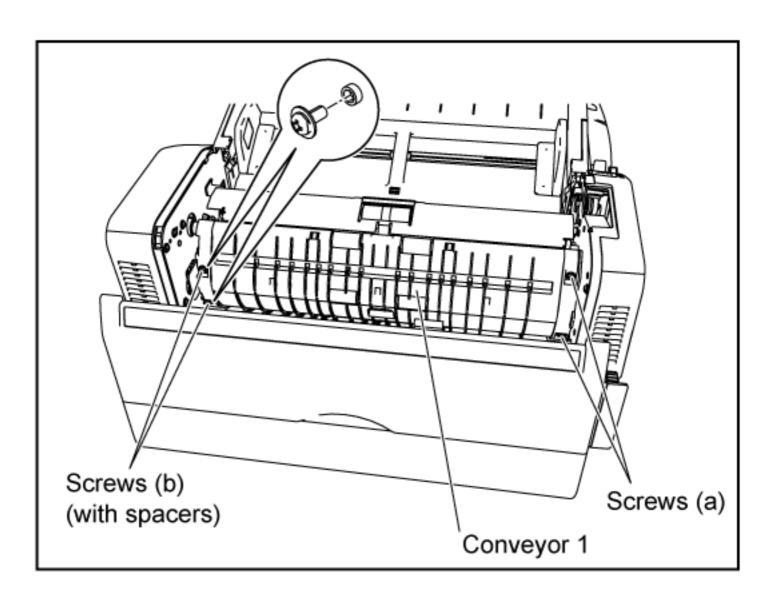
TOP PREVIOUS NEXT

1. Push the ADF Door Release to open the ADF Door.



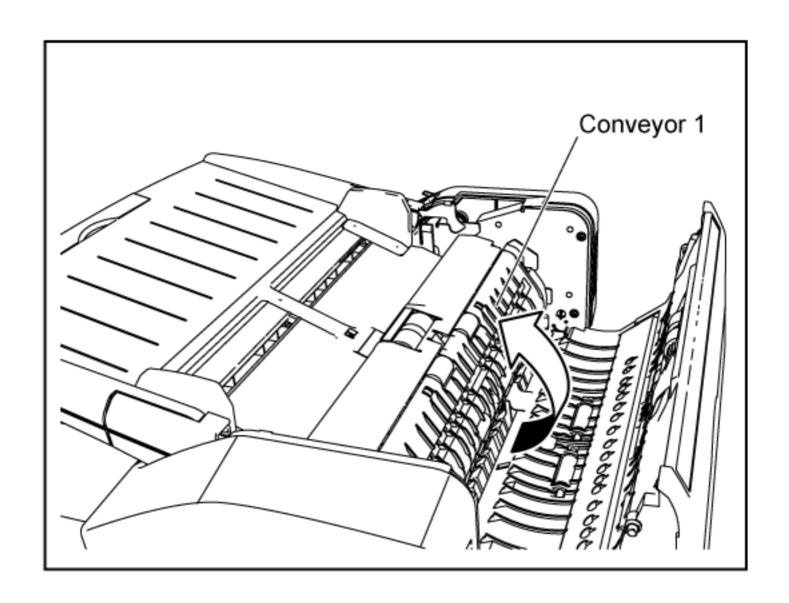
1. Remove the 2 screws (a) and 2 screws (b) with the spacers.

(Left side View)



1. Remove the Conveyor 1 in the direction of the arrow from the scanner.

(Top Back View)

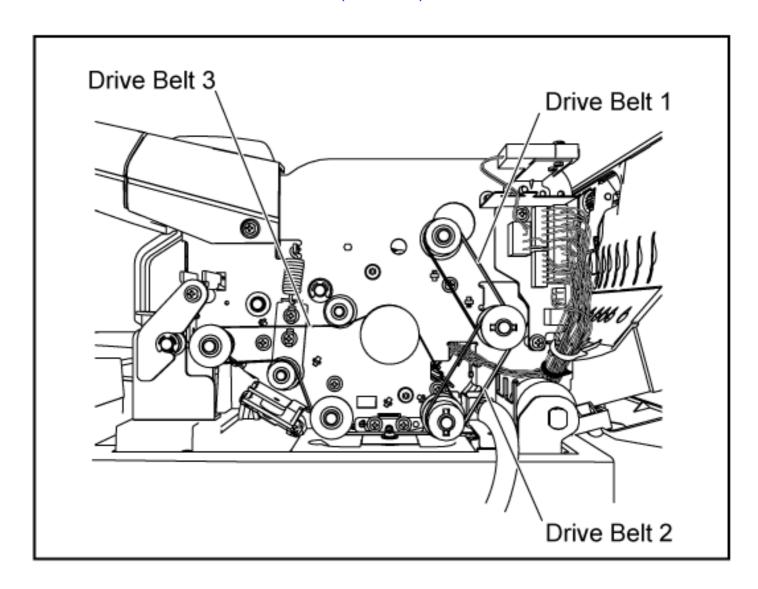


8.3.18 Drive Belts 1, 2, 3

TOP PREVIOUS NEXT

- 1. Remove the ADF Cover (B). (See 8.3.14.)
- 2. Remove the Drive Belts 1, 2.

(Back View)

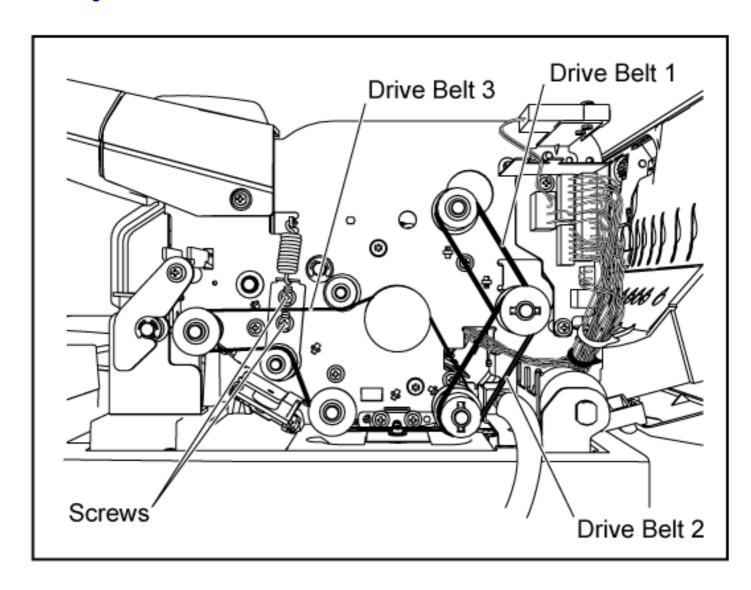


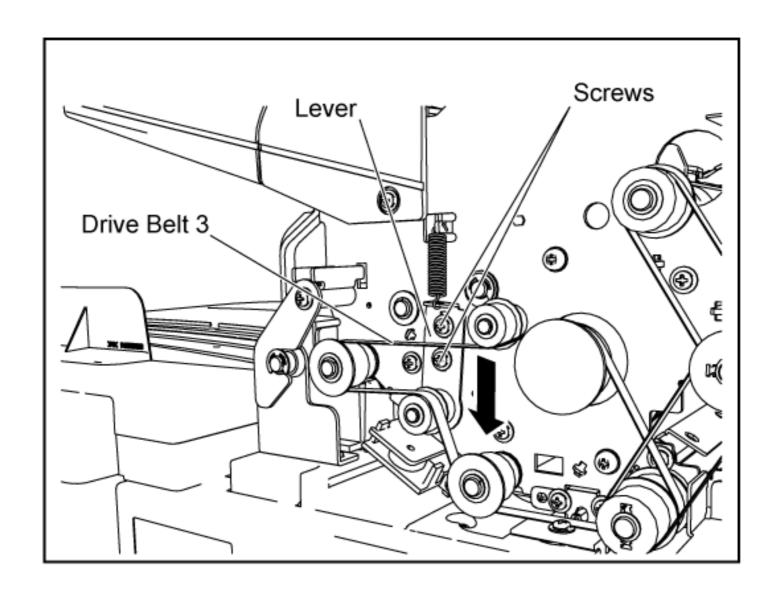
- 1. Loosen the 2 screws. And push down the lever until it goes, and tighten the screws.
- 2. Remove the Drive Belt 3.

Reassembling Note: BELT LAYOUT

- A. Reattach the Drive Belt 3 as shown on the following figure.
- B. Loosen the 2 screws.

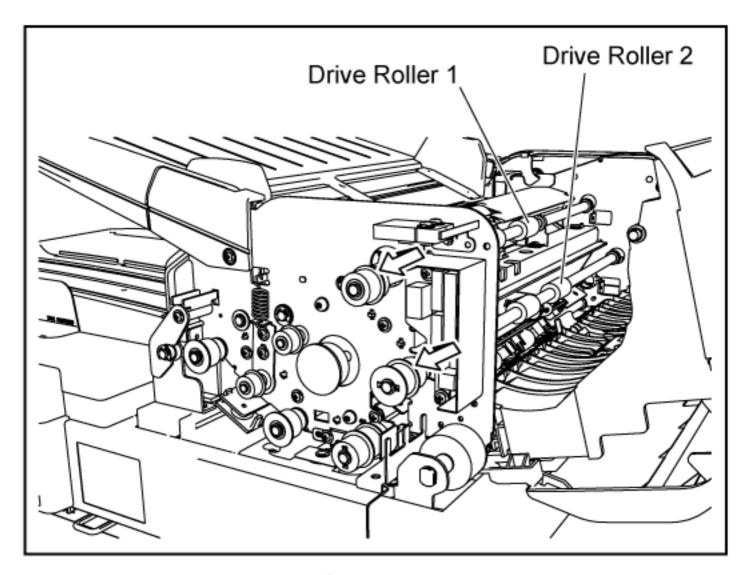
C. Tighten the 2 screws.



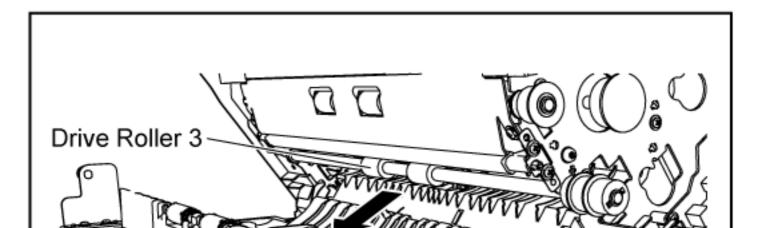


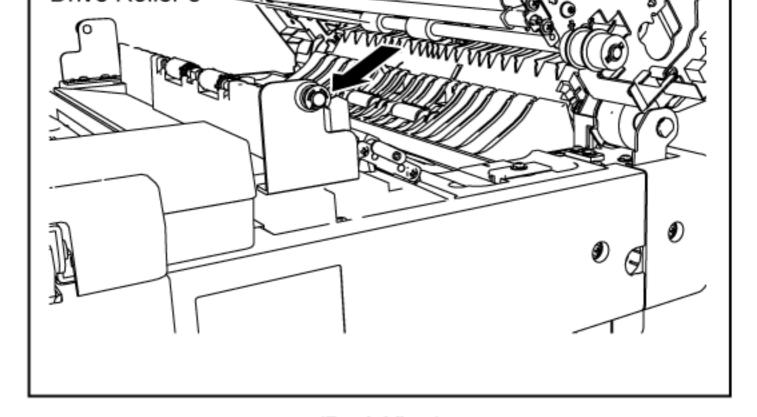
8.3.19 Drive Rollers 1, 2, 3

- 1. Remove the Drive Belt 1, 2, 3. (See 8.3.18.)
- 2. Remove the Conveyor 1. (See 8.3.17.)
- 3. Pull out the Drive Rollers 1, 2, 3 in the direction of the arrows, holding them.



(Left Back View)





(Back View)

8.3.20 Double Feed Detector (G)

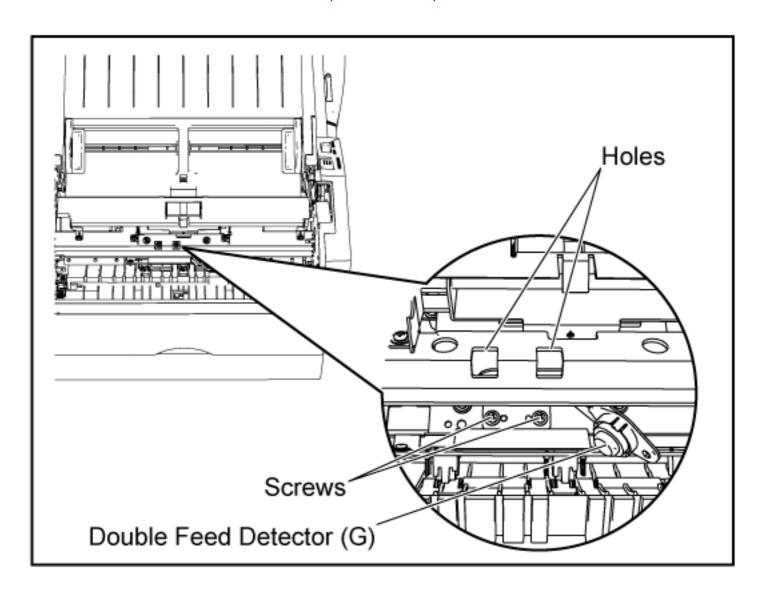
TOP PREVIOUS NEXT

- 1. Remove the Drive Rollers 1, 2, 3. (See 8.3.19.)
- 2. Remove the 2 screws through the holes.

Reassembling Note:

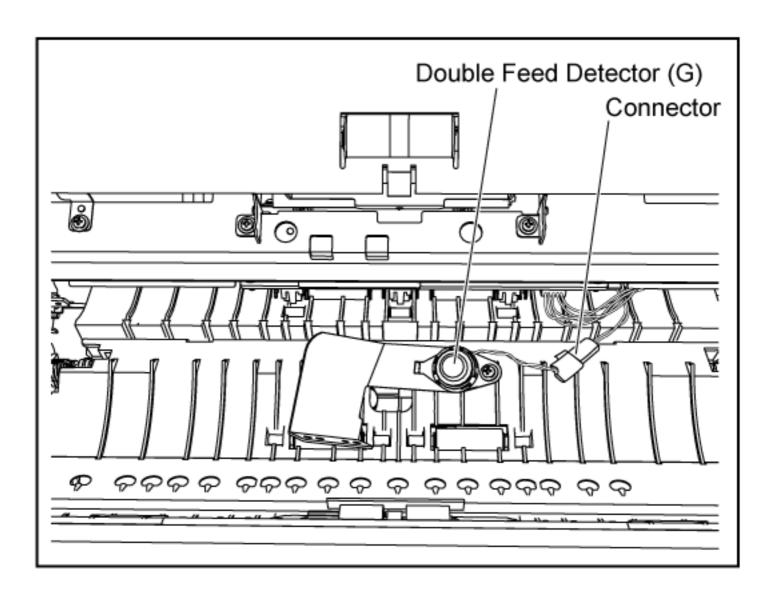
Be careful not to crimp or pinch the wires when tightening the screws.

(Left side View)

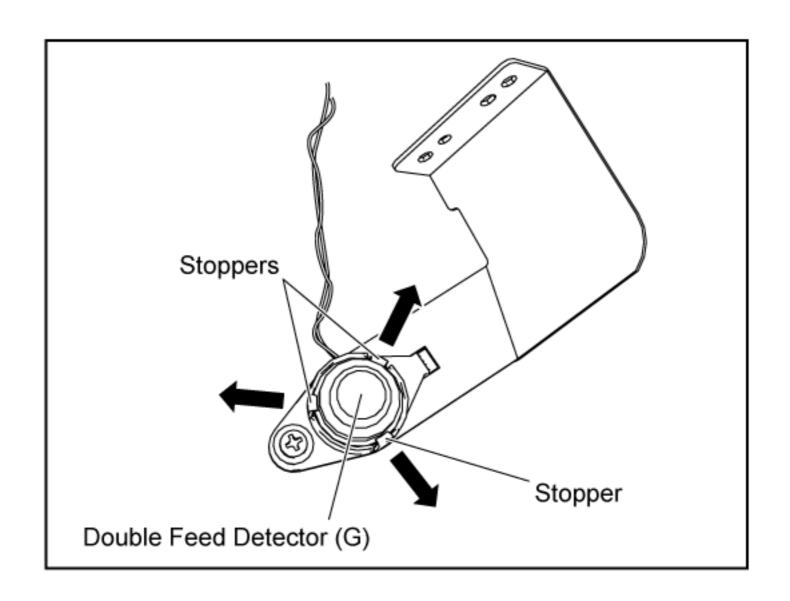


1. Disconnect the 1 connector (CN5021).

(Left Side View)



1. Release the stoppers of detector base to remove the Double Feed Detector (G).



8.3.21 STARTING SENSOR Board

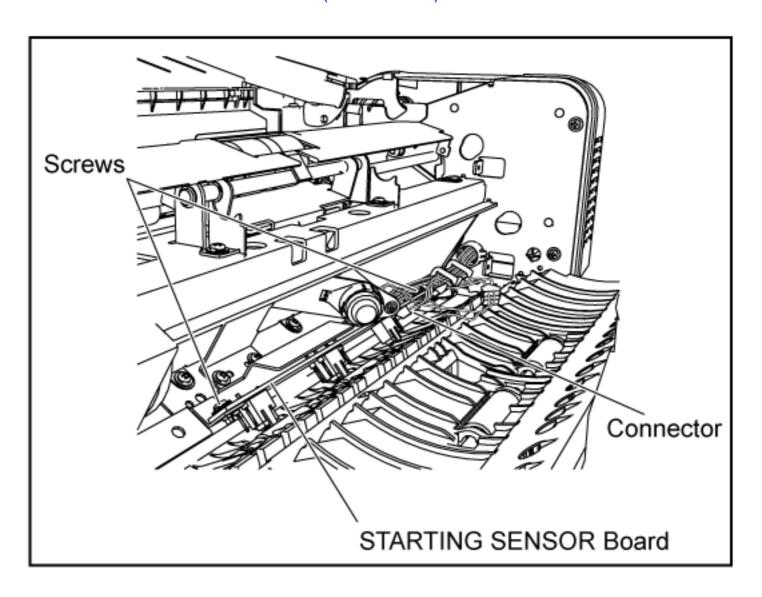
TOP PREVIOUS NEXT

- 1. Remove the Drive Rollers 1, 2, 3. (See 8.3.19.)
- 2. Remove the Hopper. (See 8.3.9.)
- 3. Remove the 2 screws and 1 connector (CN5012) on the STARTING SENSOR Board.

Reassembling Note:

Be careful not to crimp or pinch the wires when tightening the screws.

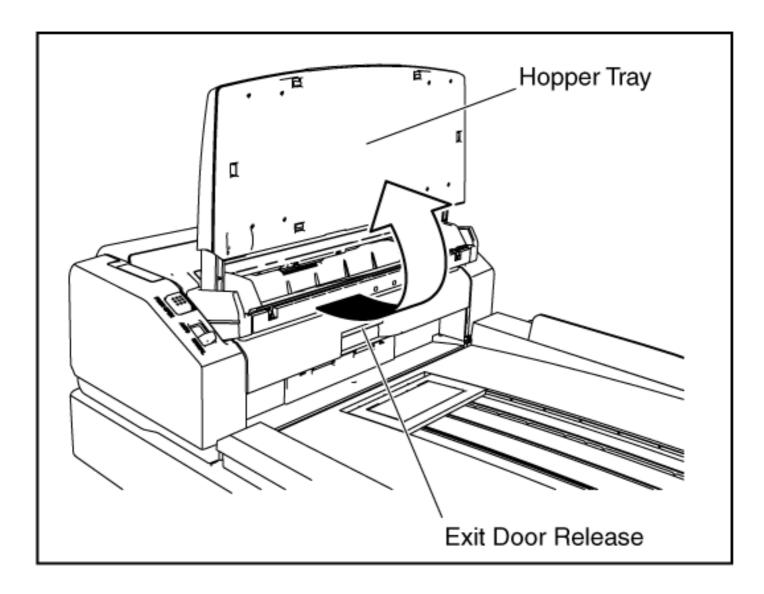
(Left Back View)



8.3.22 ADF Glass (B)

TOP PREVIOUS NEXT

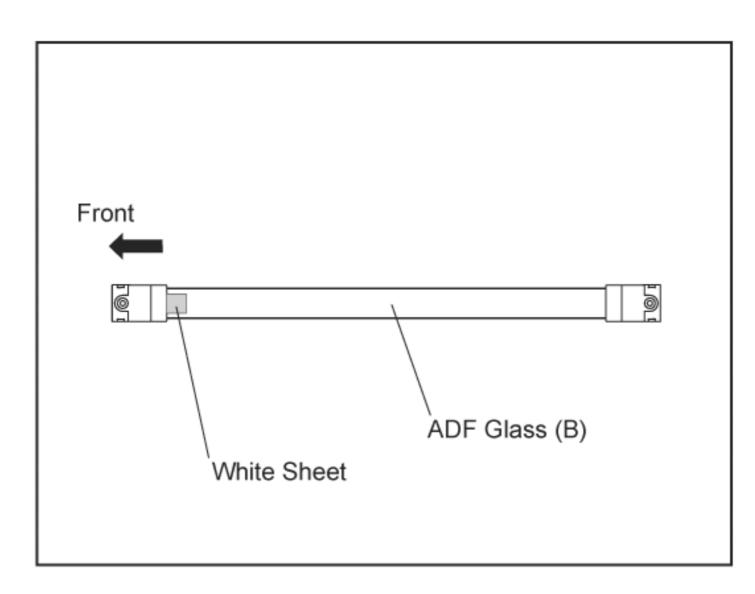
1. Fold the Hopper Tray in the direction of the arrow, and pull the Exit Door Release to open the Exit Door.



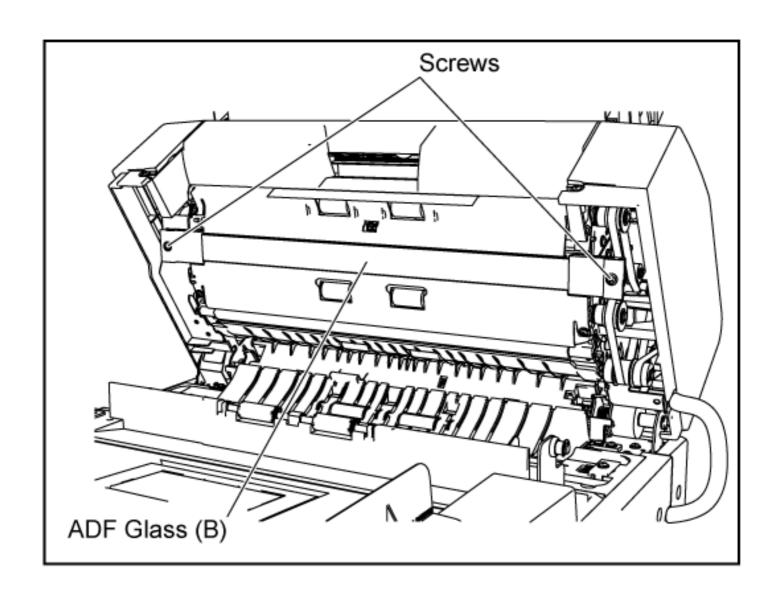
1. Remove the 2 screws, holding the glass surface.

Reassembling Note:

- A. With the accessory Roller Cleaning Paper or Model KV-SS03 (Option: Roller Cleaning Paper), be sure to clean up fingerprint and dirt from the glass attached on the glass surface.
 - Otherwise, that may affect scanning image.
- B. Be sure to attach the ADF Glass (B), so that the white sheet position is nearby the front.



(Right Back View)

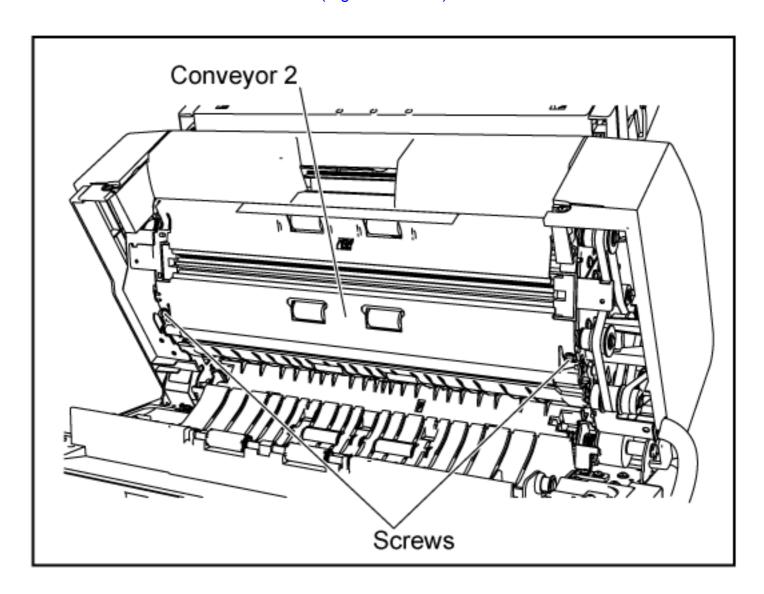


8.3.23 Conveyor 2

TOP PREVIOUS NEXT

- 1. Remove the ADF Glass (B). (See 8.3.22.)
- 2. Remove the 2 screws to remove the Conveyor 2.

(Right Back View)



8.3.24 Drive Roller 4

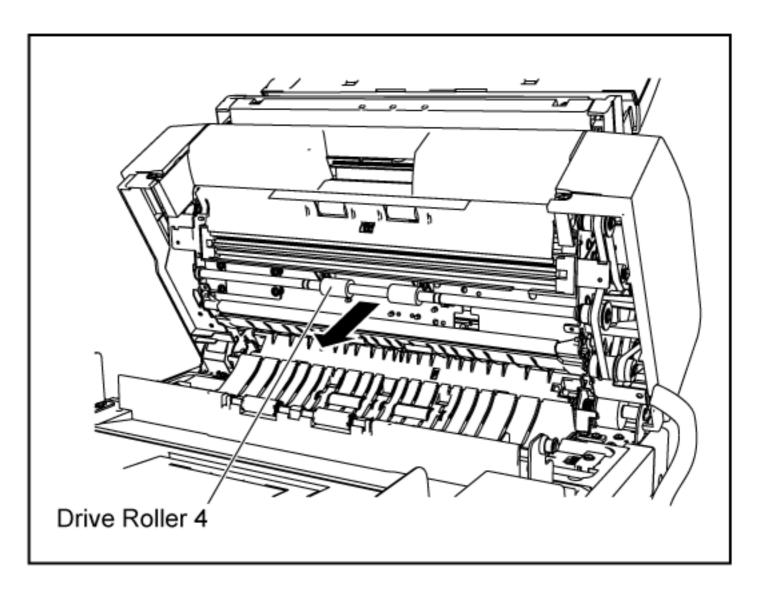
TOP PREVIOUS NEXT

- 1. Remove the Conveyor 2. (See 8.3.23.)
- 2. Pull out the Drive Roller 4 in the direction of the arrow.

Reassembling Note

When reassembling the Drive Roller 4, reattach the Drive Belt 3, paying attention to the Note (BELT LAYOUT) on 8.3.18.

(Right Back View)

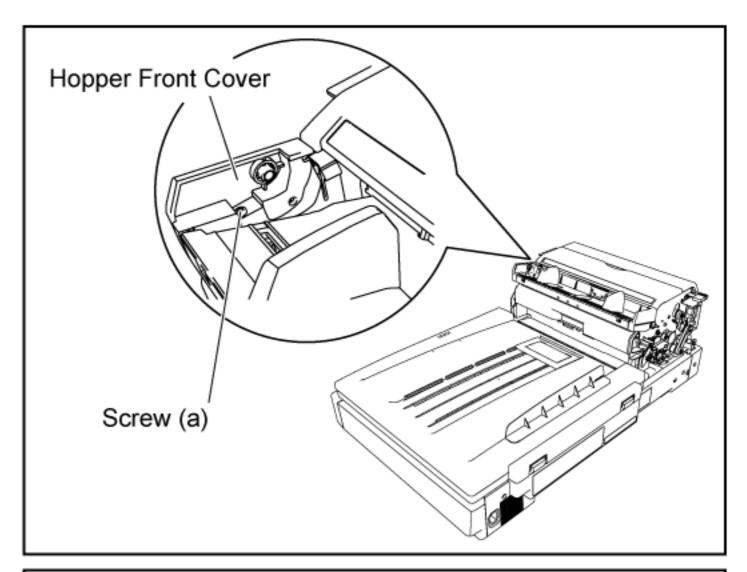


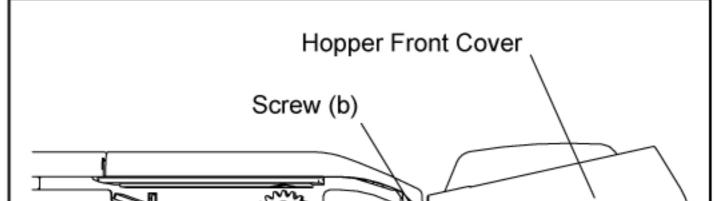
8.3.25 Hopper Front Cover

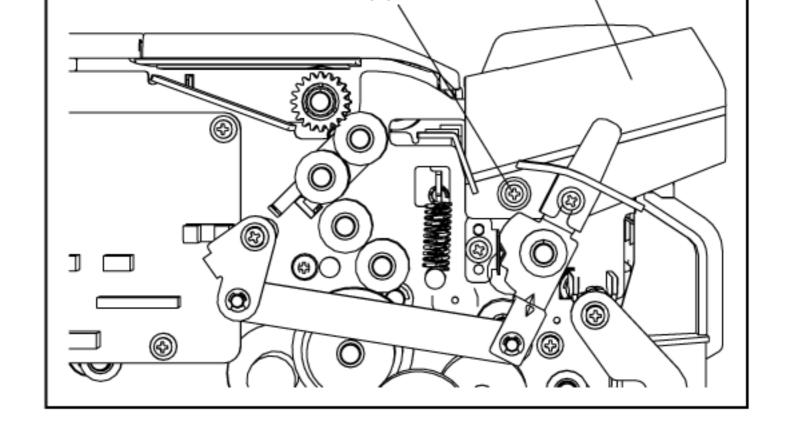
TOP PREVIOUS NEXT

- 1. Remove the Hopper Tray. (See 8.3.8.)
- 2. Remove the ADF Cover (F). (See 8.3.12.)
- 3. Remove the 1 screw (a) and 1 screw (b) to release the Hopper Front Cover from the scanner.

(Front View)

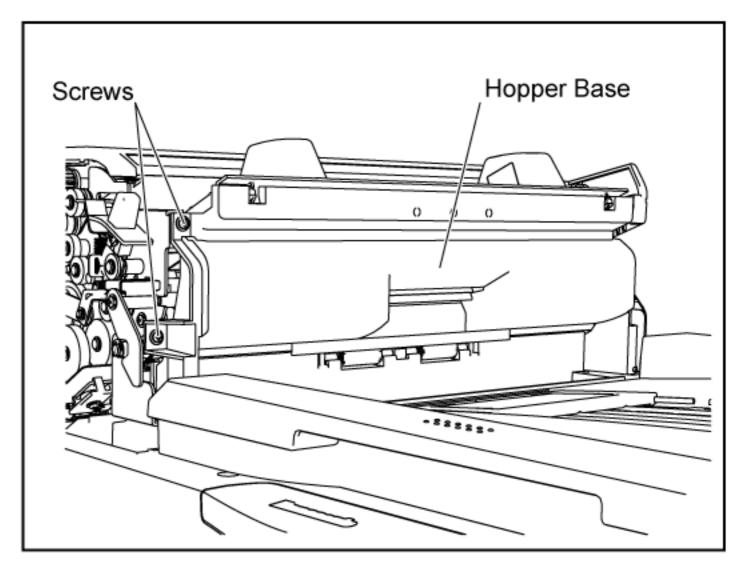




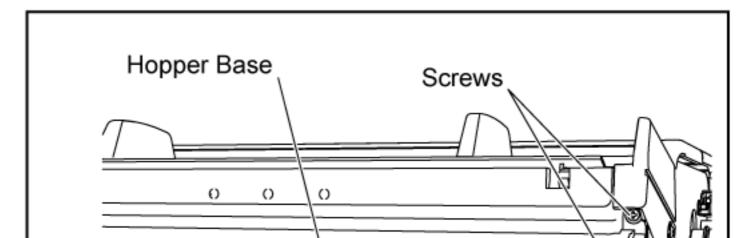


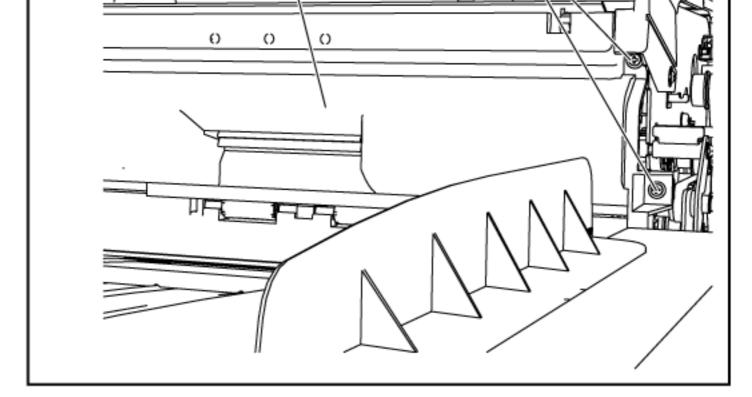
8.3.26 Hopper Base

- 1. Remove the ADF Cover (B). (See 8.3.14.)
- 2. Remove the Hopper Front Cover. (See 8.3.25.)
- 3. Remove the 4 screws to release the Hopper Base from the scanner.



(Right Front View)



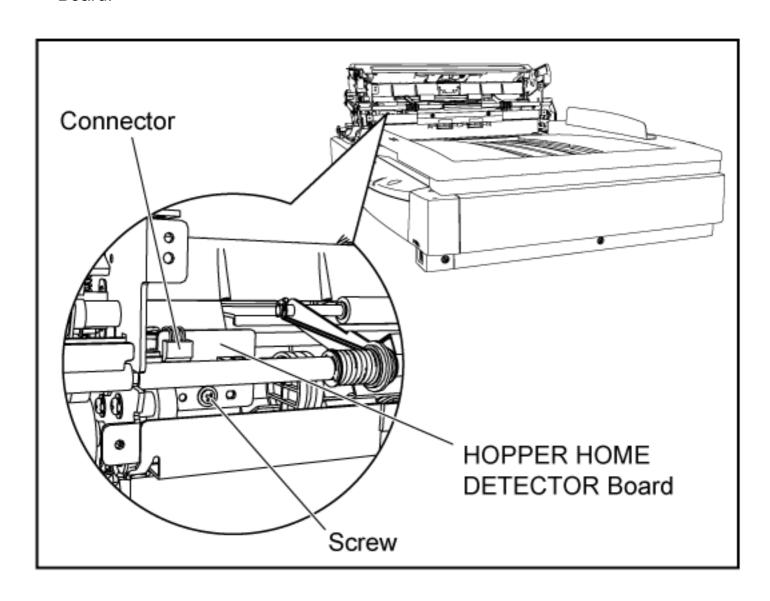


(Right Back View)

8.3.27 HOPPER HOME DETECTOR Board

TOP PREVIOUS NEXT

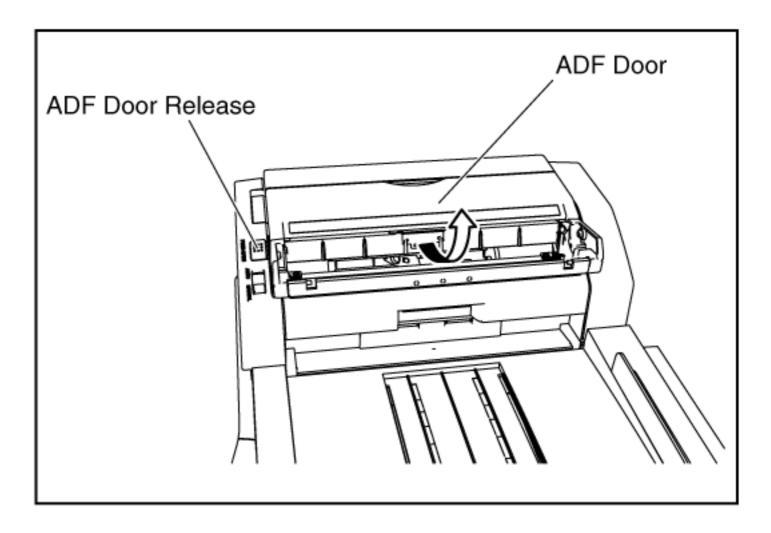
- 1. Remove the Hopper. (See 8.3.9.)
- 2. Remove the Hopper Base. (See 8.3.26)
- 3. Remove the 1 screw and 1 connector (CN5007) on the HOPPER HOME DETECTOR Board.



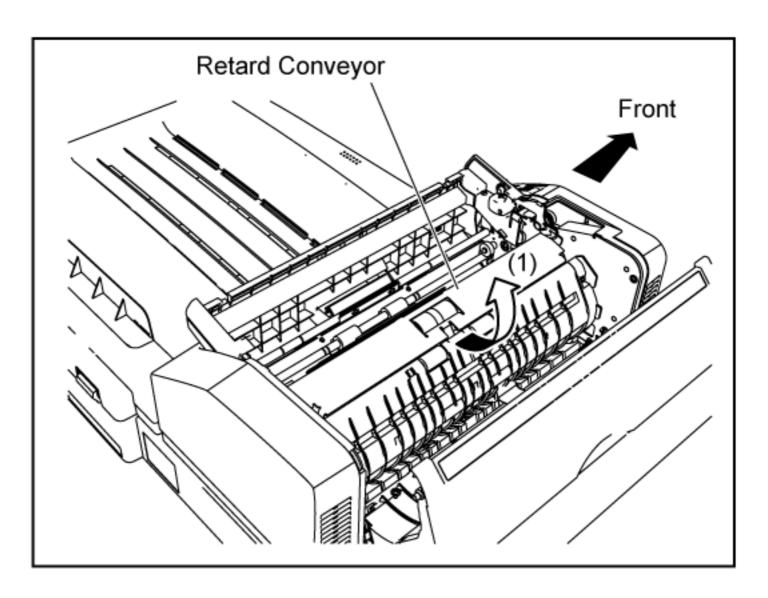
8.3.28 Retard Conveyor

TOP PREVIOUS NEXT

- 1. Remove the Hopper. (See 8.3.9.)
- 2. Push the ADF Door Release to open the ADF Door.

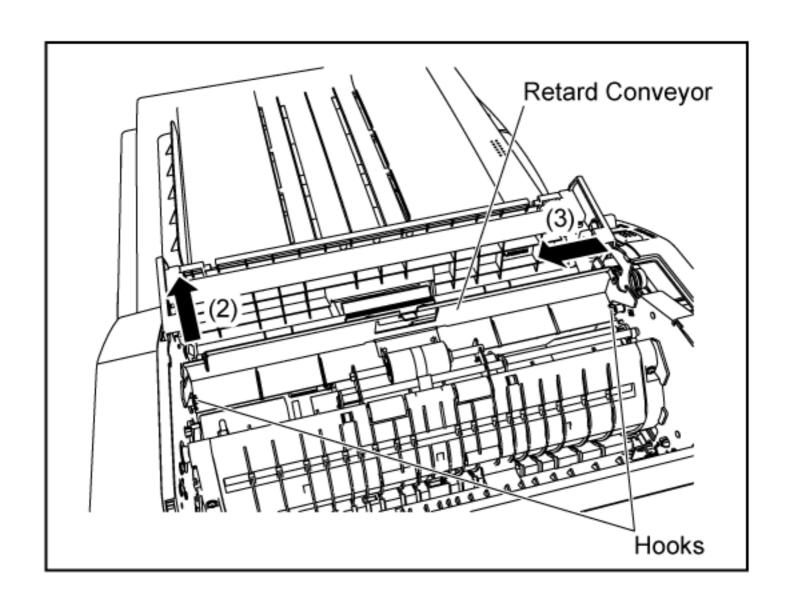


1. Open the Retard Conveyor in the direction of the arrow (1).



1. Unlock the hooks on the both sides while forcing the Retard Conveyor in direction of the arrow (2) and arrow (3) to release the conveyor from the scanner.

(Top Left View)

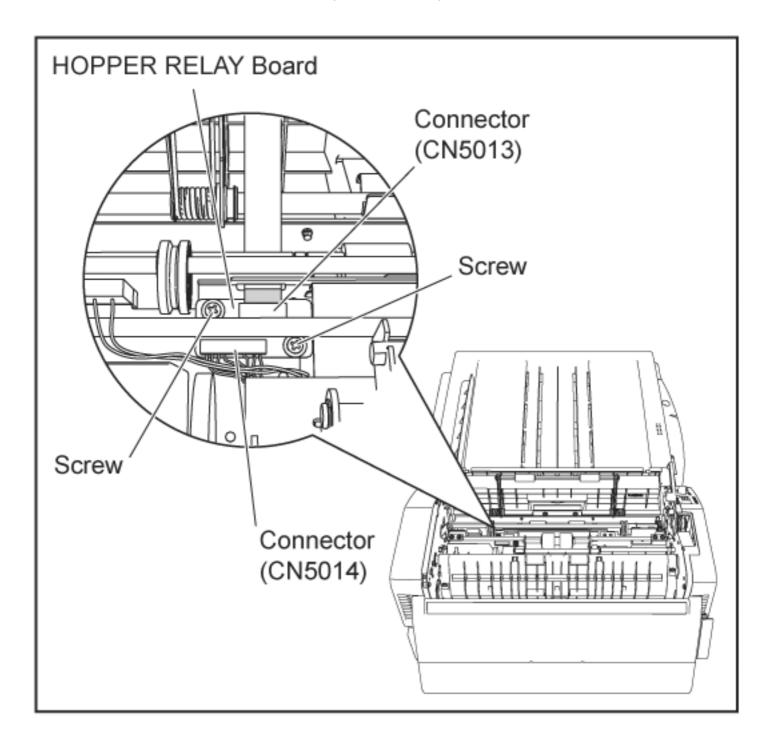


8.3.29 HOPPER RELAY Board

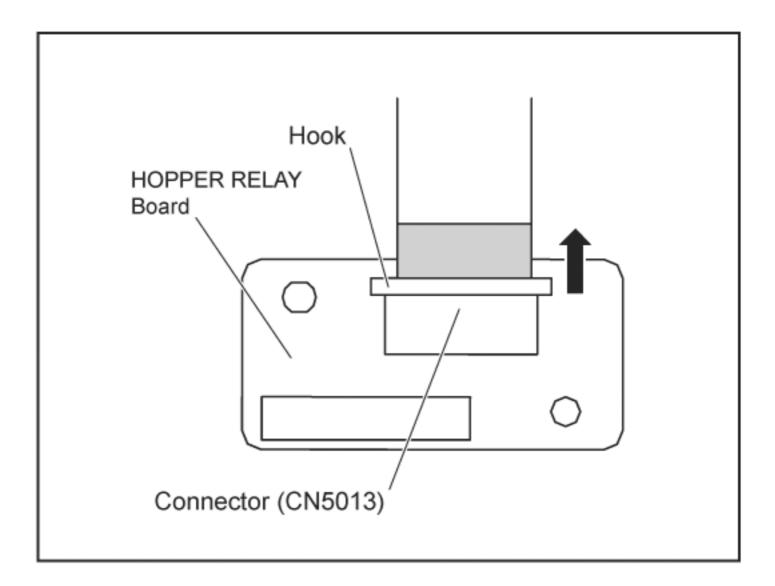
TOP PREVIOUS NEXT

- 1. Remove the Hopper. (See 8.3.9.)
- 2. Remove the Hopper Base. (See 8.3.26.)
- 3. Remove the Retard Conveyor. (See 8.3.28.)
- 4. Remove the 2 screws and 1 connector (CN5014).

(Left Side View)



1. Unlock the hook in the direction of the arrow and disconnect the connector (CN5013).

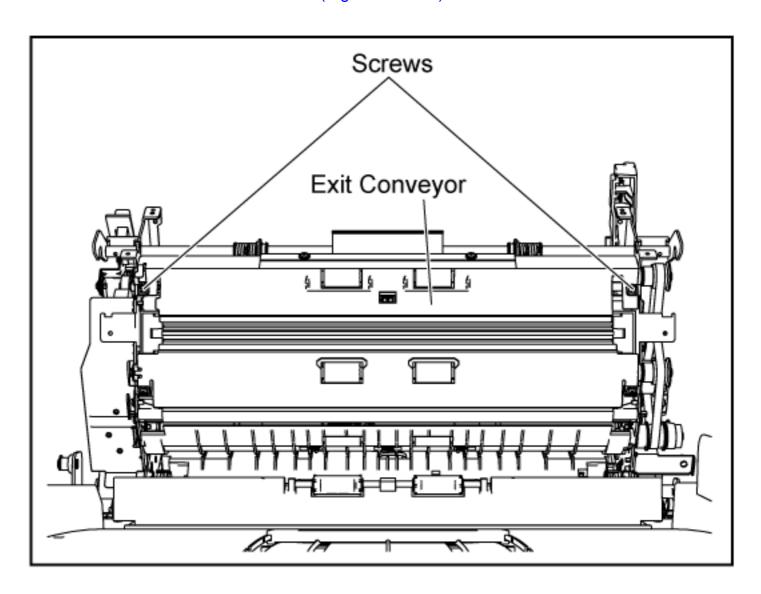


8.3.30 Exit Conveyor

TOP PREVIOUS NEXT

- 1. Remove the ADF Glass (B). (See 8.3.22.)
- 2. Remove the Hopper Base. (See 8.3.26.)
- 3. Remove the 2 screws.

(Right Side View)

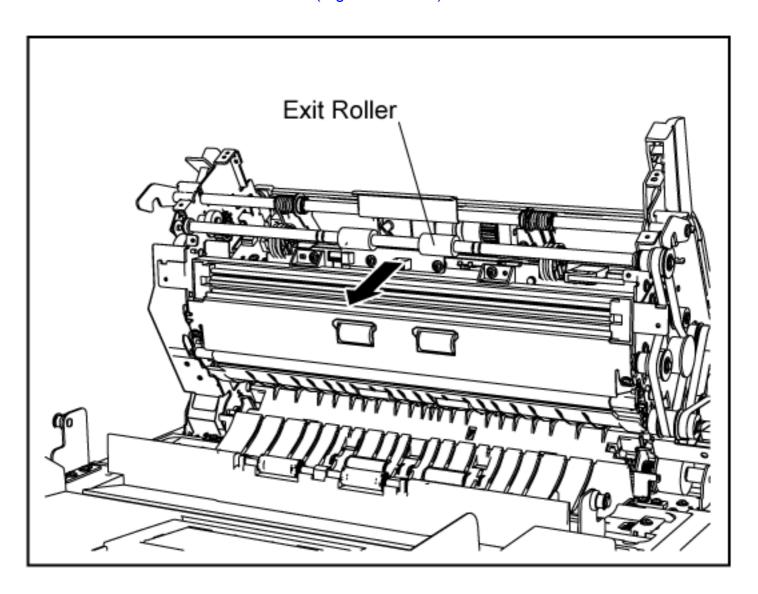


8.3.31 Exit Roller

TOP PREVIOUS NEXT

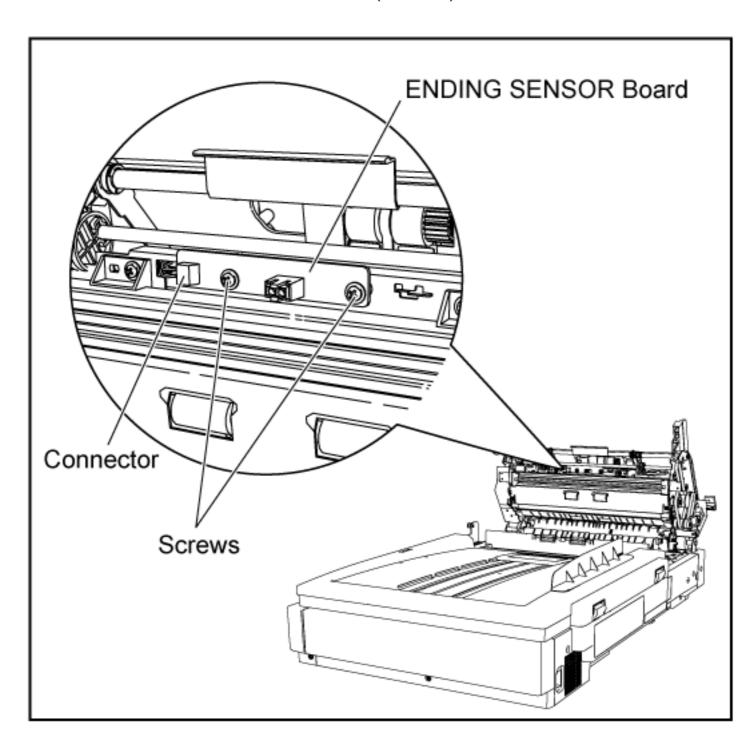
- 1. Remove the Exit Conveyor. (See 8.3.30.)
- 2. Pull out the Exit Roller in the detection of arrow.

(Right Back View)



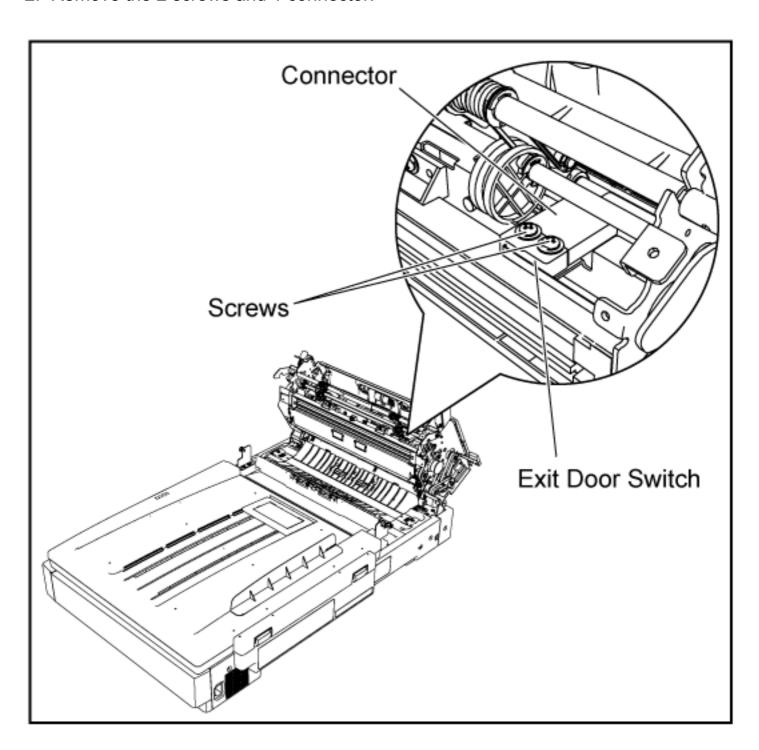
8.3.32 ENDING SENSOR Board

- 1. Remove the Exit Rollers. (See 8.3.31.)
- 2. Remove the 2 screws and 1 connector (CN5015) on the ENDING SENSOR Board.



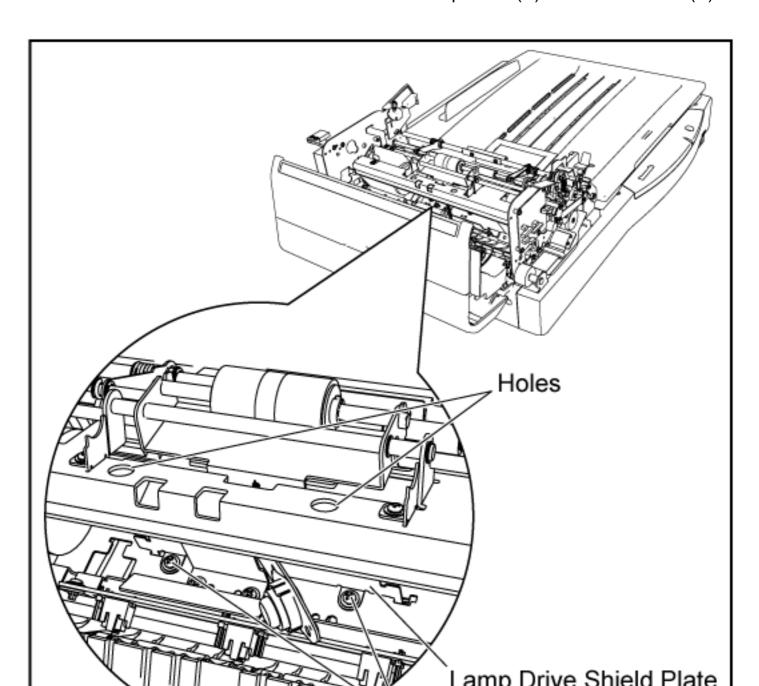
8.3.33 Exit Door Switch

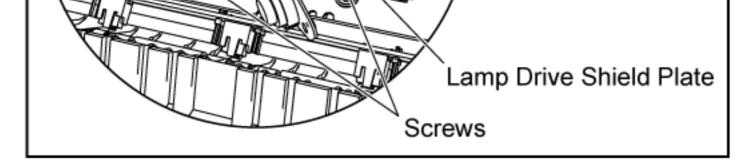
- 1. Remove the Exit Roller. (See 8.3.31.)
- 2. Remove the 2 screws and 1 connector.

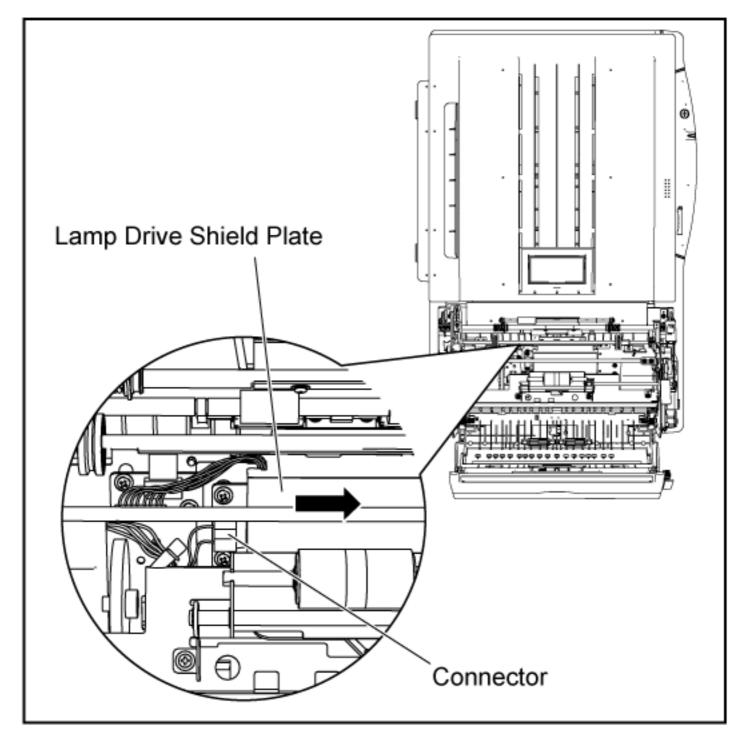


8.3.34 CIS (B)& CIS RELAY Board

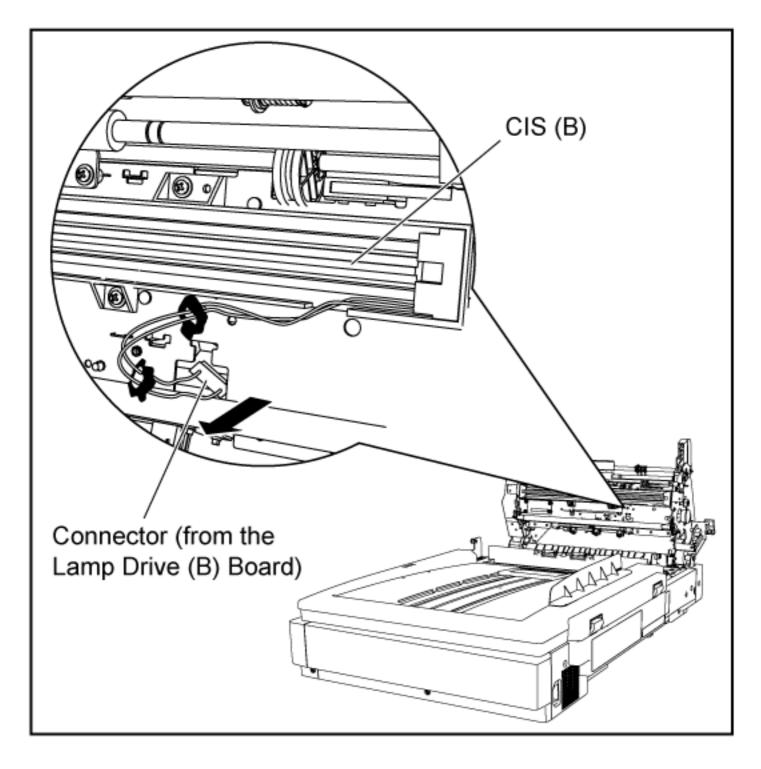
- 1. Remove the Hopper. (See 8.3.9.)
- 2. Remove the Drive Rollers 1, 2, 3. (See 8.3.19.)
- 3. Remove the Drive Roller 4. (See 8.3.24.)
- 4. Remove the Retard Conveyor. (See 8.3.28.)
- 5. Remove the Exit Conveyor. (See 8.3.30.)
- 6. Remove the 2 screws through the holes and slide the Lamp Drive Shield Plate slightly in order to remove the 1 connector from the Lamp Drive (B) Board to the CIS (B).



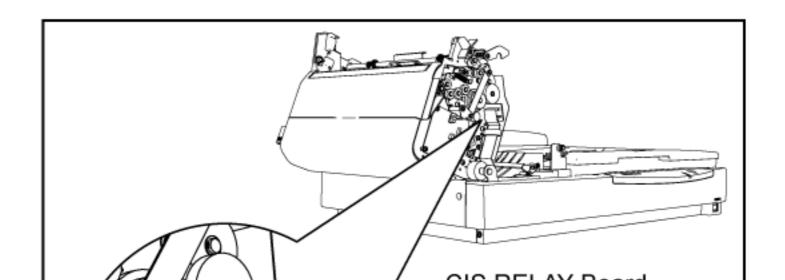


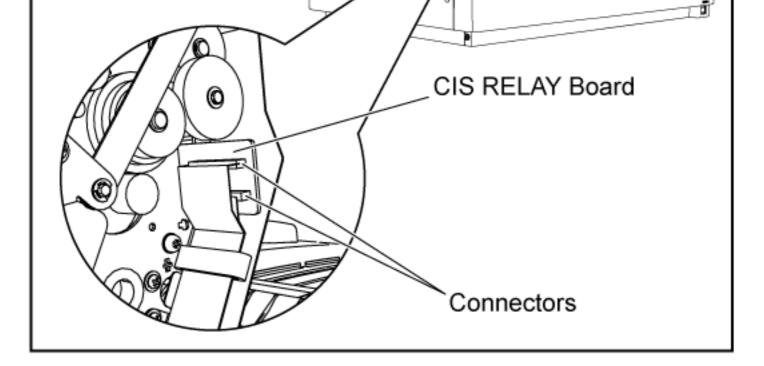


1. Remove the 1 connector to the CIS (B) on the Lamp Drive (B) Board and pull out it in the direction of the arrow.

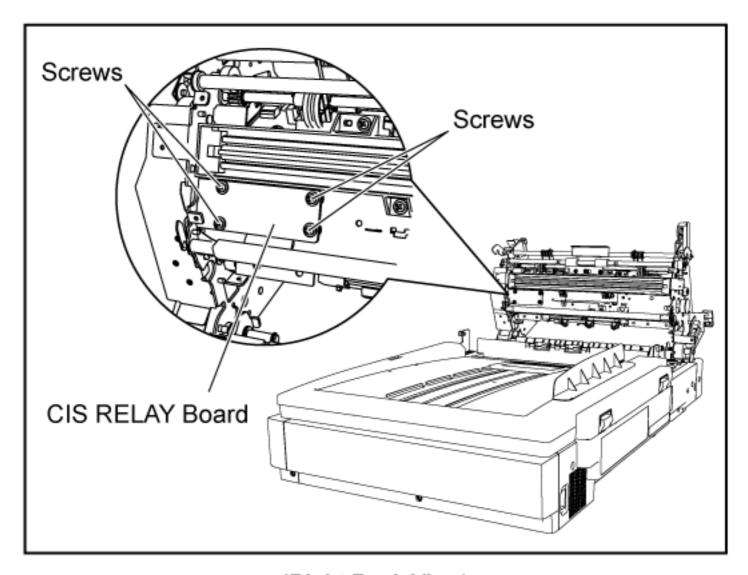


1. Remove the 2 connectors (CN3005 and CN3004) and 4 screws on the CIS RELAY Board.



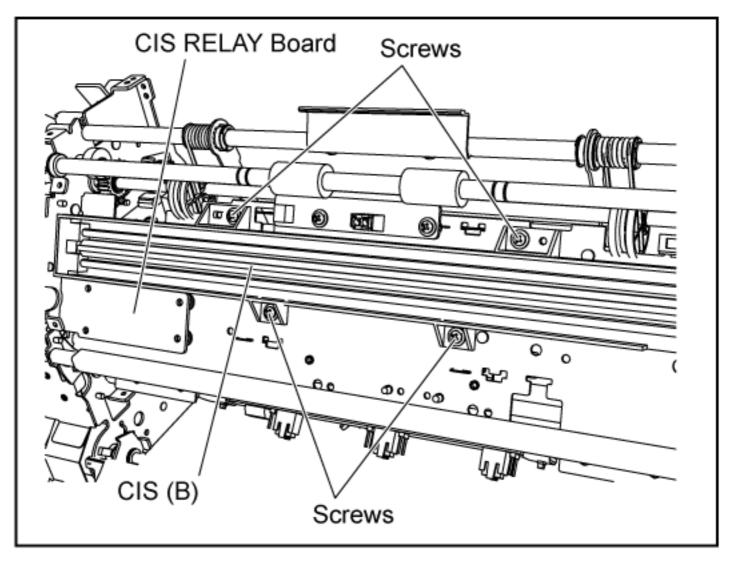


(Front View)

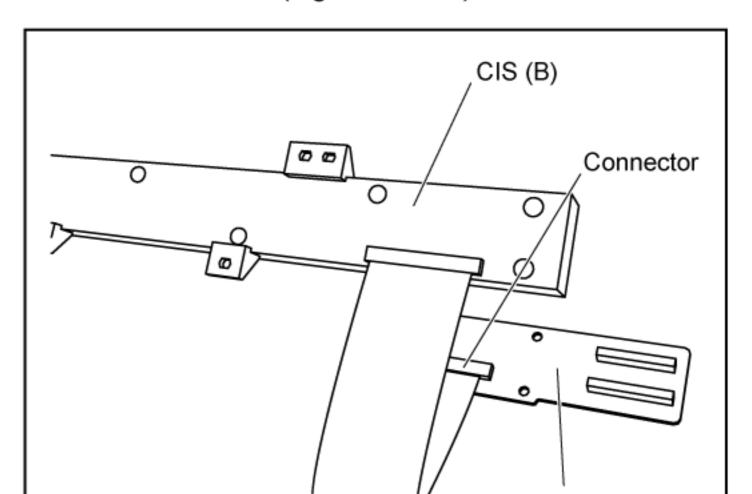


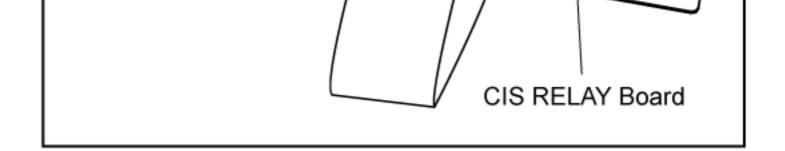
(Right Back View)

1. Remove the 4 screws on the CIS (B), and disconnect the 1 connector (CN3006) from the CIS (B) to the CIS RELAY Board.



(Right Back View)

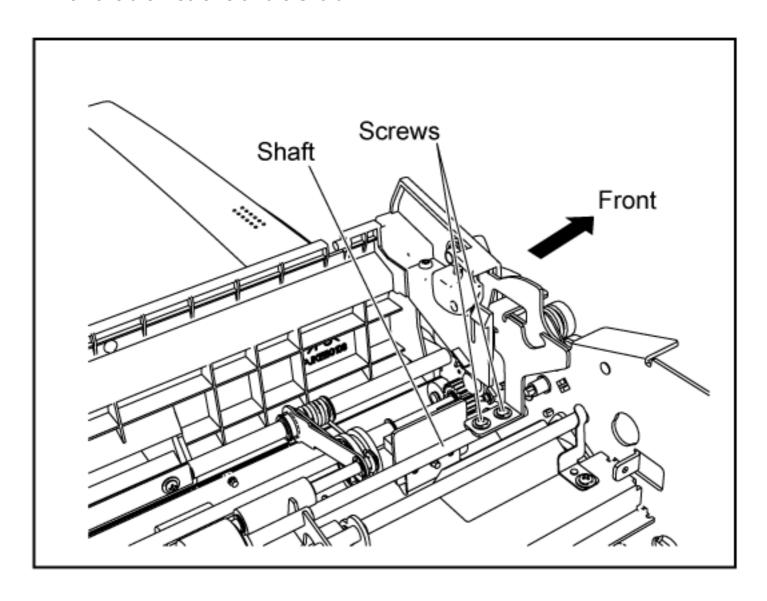




8.3.35 Lamp Drive (B) Board

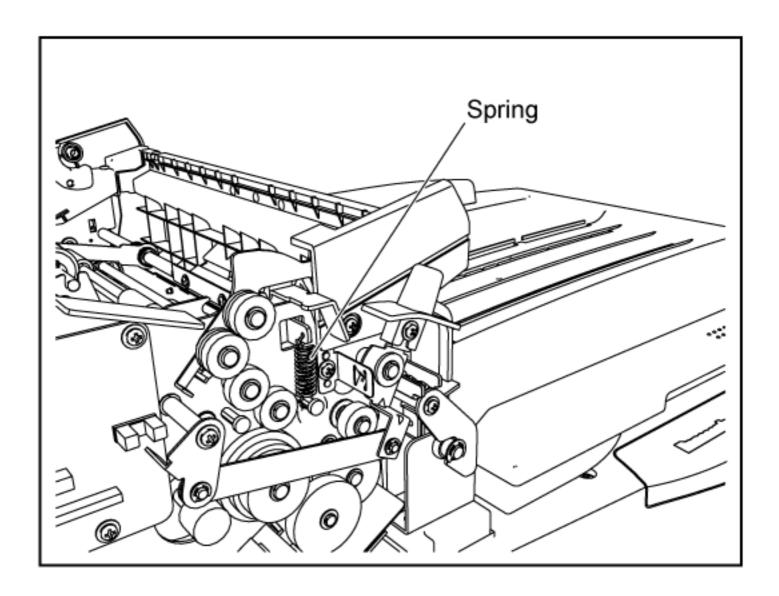
TOP PREVIOUS NEXT

- 1. Remove the Hopper. (See 8.3.9.)
- 2. Remove the Drive Rollers 1, 2, 3. (See 8.3.19.)
- 3. Remove the Retard Conveyor. (See 8.3.28.)
- 4. Remove the 2 screws on the Shaft.

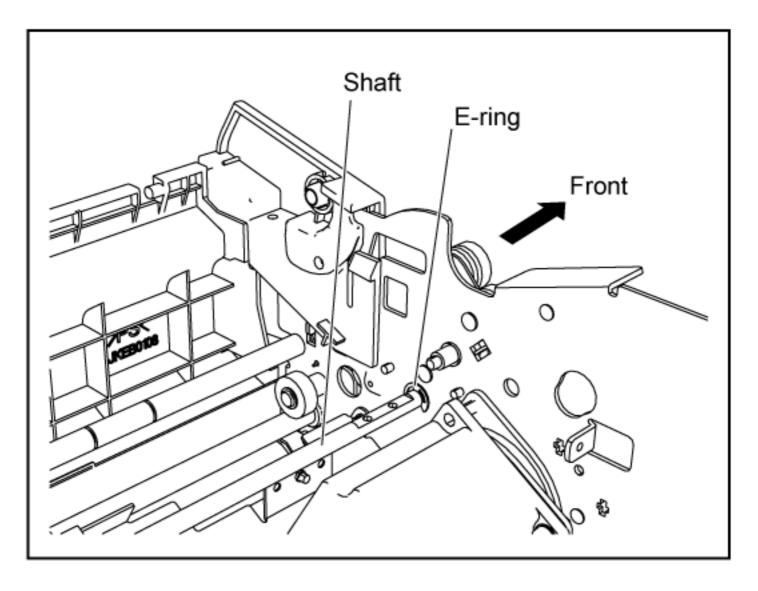


1. Release the spring.

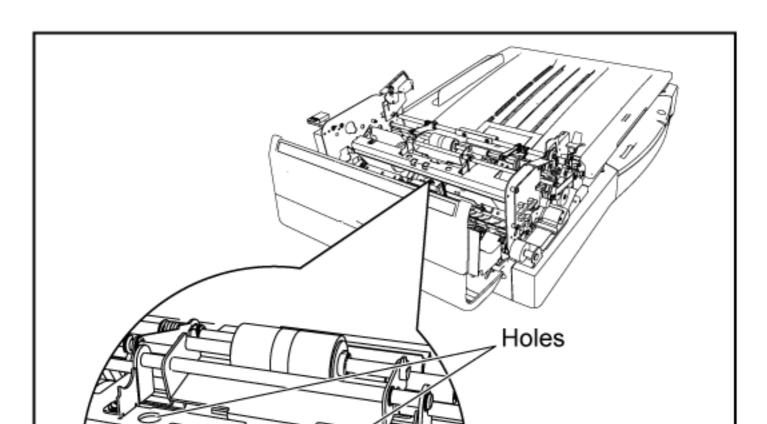
(Left Front View)

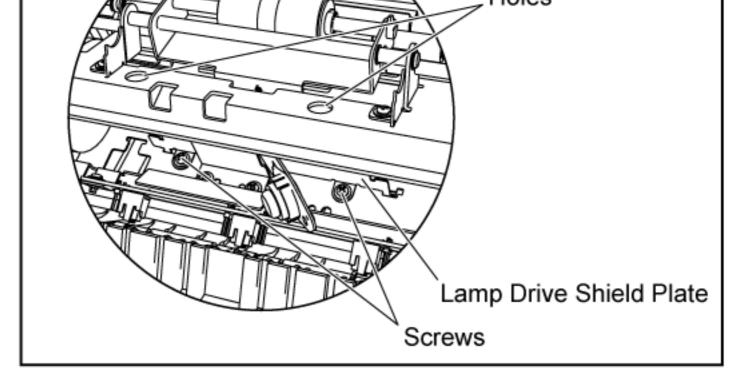


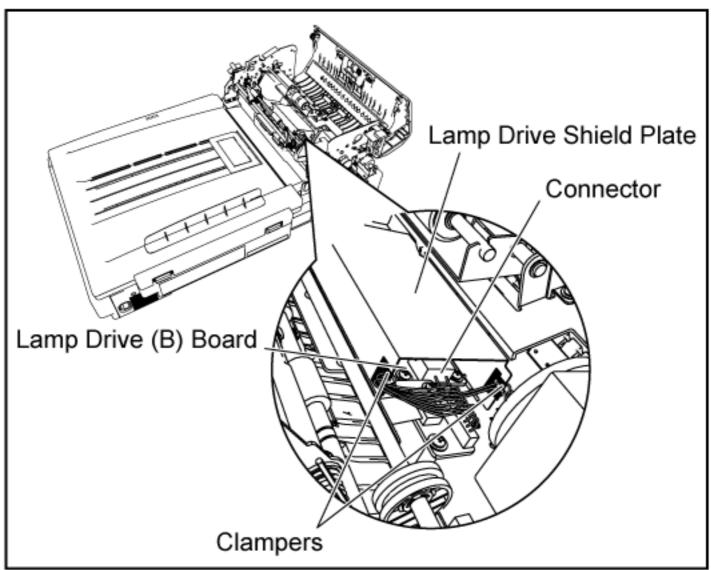
1. Remove the E-ring on the front inner side to pull out Shaft from the scanner.



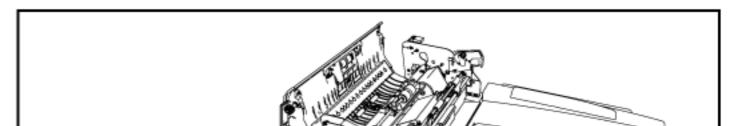
- 1. Remove the 2 screws on the Lamp Drive Shield Plate (through the holes) and 2 connectors on the Lamp Drive (B) Board.
- 2. Release the clampers from the Lamp Drive Shield Plate and remove the plate.

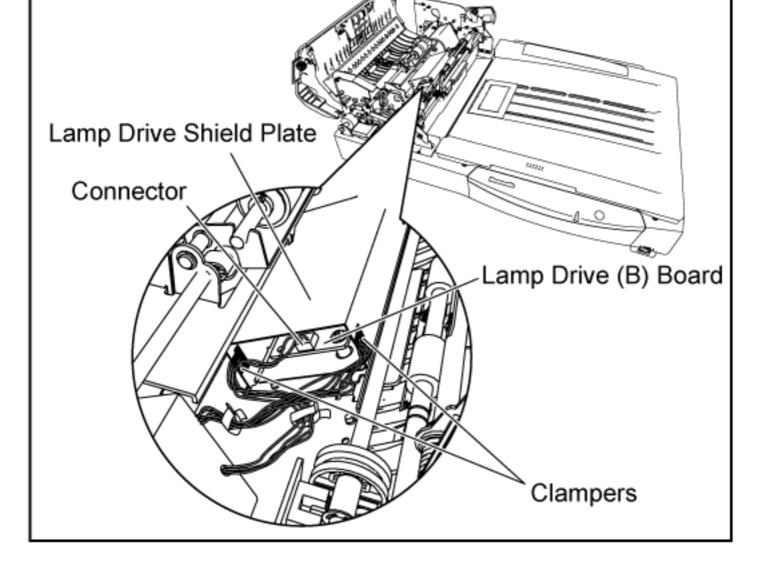






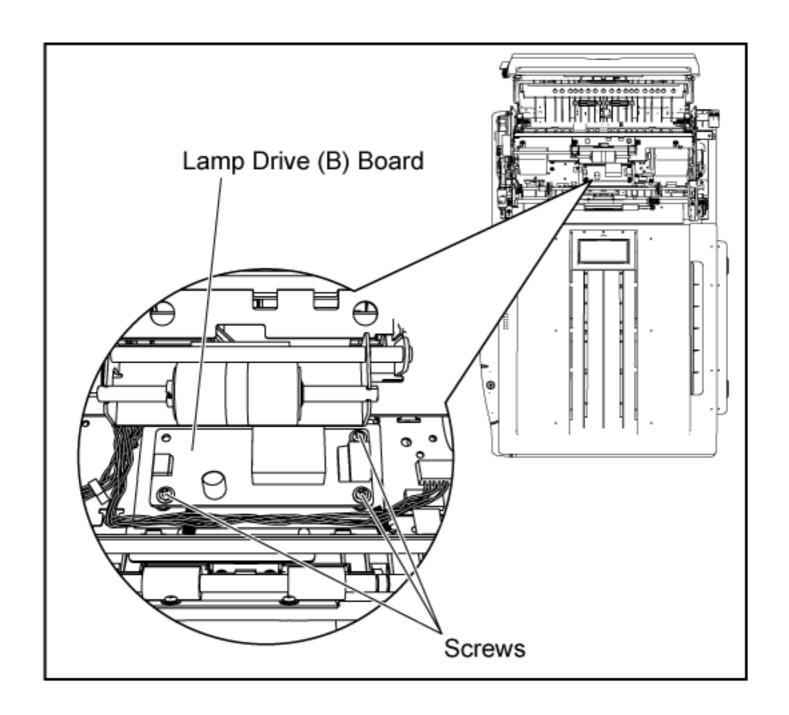
(Top Back View)





(Top Front View)

1. Remove the 3 screws on the Lamp Drive (B) Board.

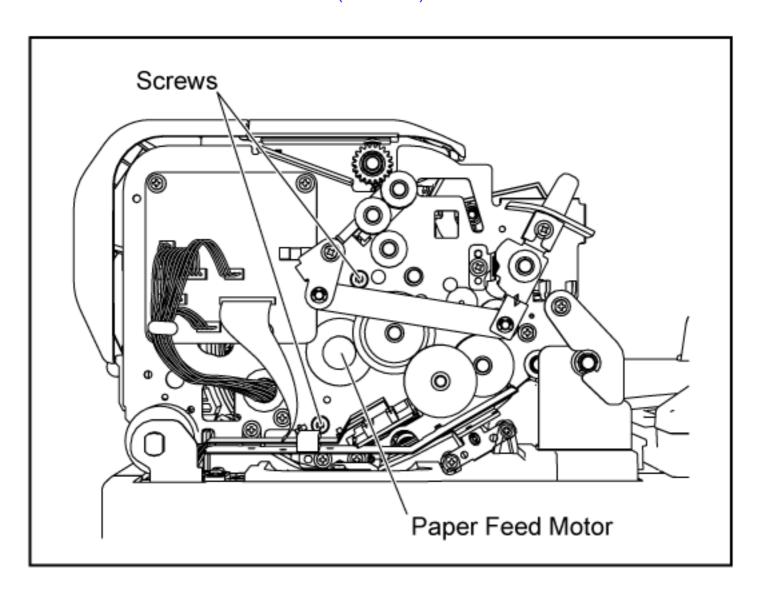


8.3.36 Paper Feed Motor

TOP PREVIOUS NEXT

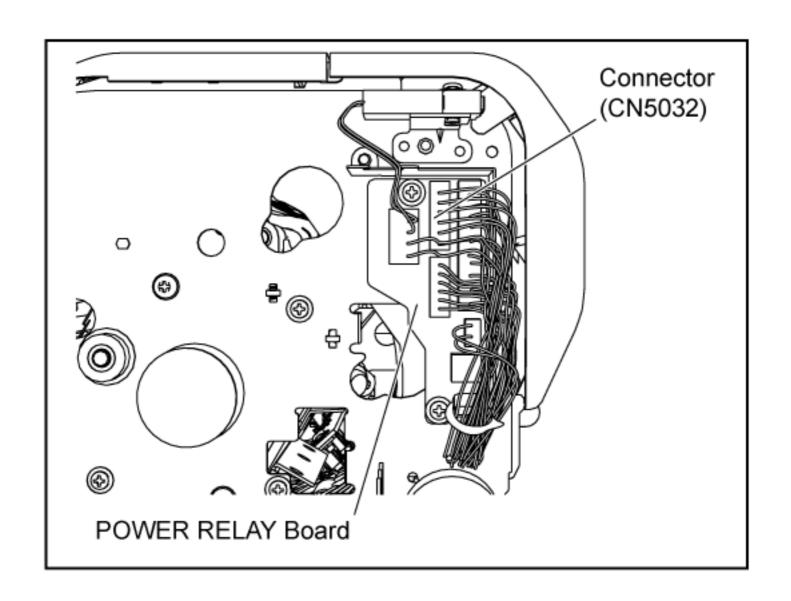
- 1. Remove the Shaft. (See 8.3.35 (1) to (6).)
- 2. Remove the HOPPER HOME DETECTOR Board. (See 8.3.27.)
- 3. Remove the 2 screws.

(Front View)



1. Remove the 1 connector (CN5032) on the POWER RELAY Board to pull out the motor from the scanner.

(Back View)

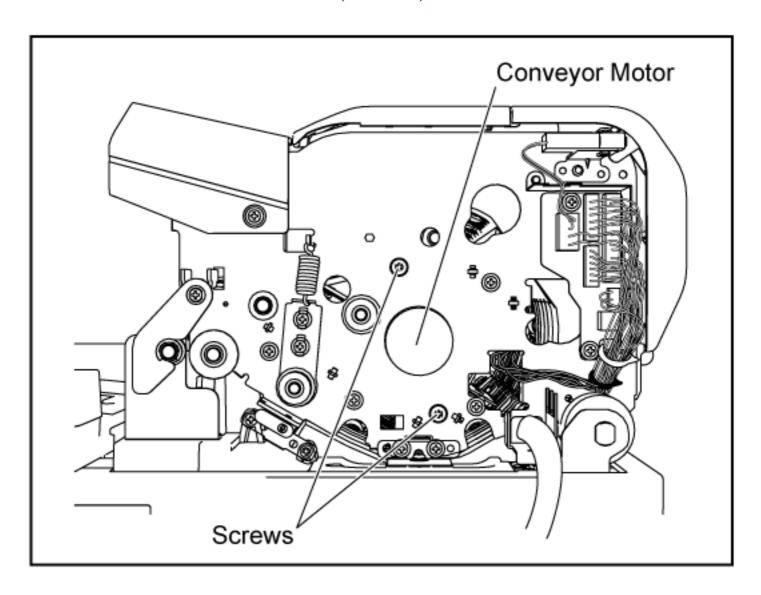


8.3.37 Conveyor Motor

TOP PREVIOUS NEXT

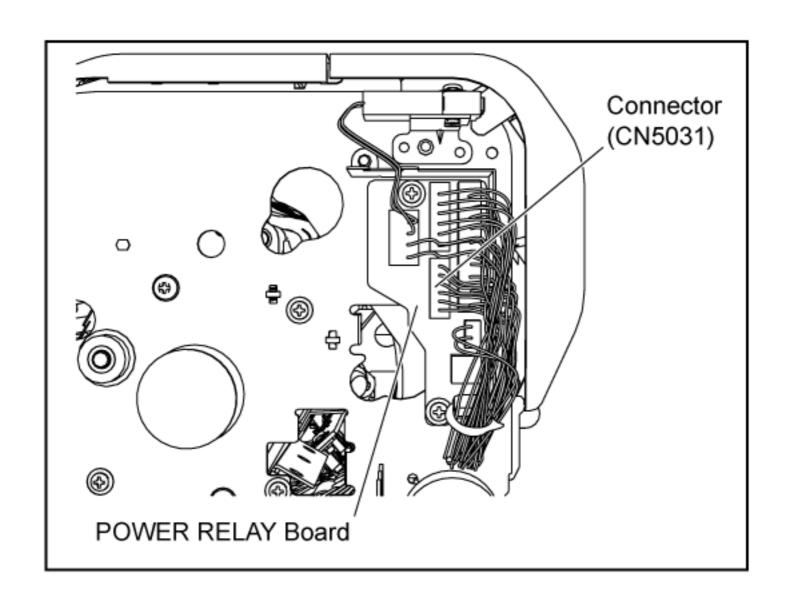
- 1. Remove the Shaft. (See 8.3.35 (1) to (6).)
- 2. Remove the HOPPER RELAY Board. (See 8.3.29.)
- 3. Remove the Exit Door Switch. (See 8.3.33.)
- 4. Remove the 2 screws.

(Back View)



1. Remove the 1 connector (CN5031) on the POWER RELAY Board to pull out the motor from the scanner.

(Back View)



9 SERVICE UTILITY& SELF TEST

TOP PREVIOUS NEXT

9.1 Main menu i	indication for S	Service Utility
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9.2 Function item list of Service Utility

9.3 Operation

9.3.1 Scanner Status

9.3.2 Error Code

9.3.3 Scanner information

9.3.4 Scanner Counter

9.3.5 Scanner Condition

9.3.6 Test

9.3.7 Adjust

9.3.8 Other (Serial NO., Save Information)

9.4 Scanner Self-test

9.1 Main menu indication for Service Utility

TOP PREVIOUS NEXT

This section describes the functions of the service utility software, such as adjustments, diagnosis, configuration, and maintenance.

This utility software also includes a user utility function.

Executing Service Utility.exe (without installing the software to the PC except for ASPI Manager) will allow you to operate all the functions found in this service utility software.

Note:

This utility software is not included with the scanner.

Please call service or technical support to obtain the utility software.

This software should be used only by an authorized service technician.

Improper use of this software may cause damage to the scanner.

9.2 Function item list of Service Utility

TOP PREVIOUS NEXT

Service Utility item list is as follows.

Note:

When two or more scanners are connected to PC, execute Select Scanner to define the scanner before evaluating.

The procedure is as follows.

- 1. Click Select Scanner on the Main Menu.
- 2. Select the product number and interface of the scanner to evaluate.

	Item	Purpose To indicate scanner status (Ready or Error or Warning) To indicate scanner information about Model, firmware version, Gate Array version, board revision, additional memory size (status), and interface condition		
Scanner Status				
Scanner information				
Scanner Counter	Update All Counter	To update the values of System Counter, Flatbed Counter, Cleaning roller Counter, and Replacing roller Counter		
	Clear Counter for cleaning roller	To clear Counter for cleaning roller to zero after cleaning roller	(1), (6)	
	Clear Counter for replacing roller	To clear Counter for replacing roller to zero after replacing roller	(1), (6)	
Scanner Condition	Sleep Mode	To set this mode to be enabled or disabled, and to set waiting time before entering to the sleep mode		
	Clean Imprinter *1	To clean an ink jet head of imprinter.	(1), (6)	
	Paper Mode / Buzzer Setting	To set scanning size (A4 or Letter) when the Document Guide is in A4 position, and to set Buzzer ON/OFF condition.	(1)	
	Compatible Mode	To make this scanner operate as another scanner with this mode	(1), (3)	
	User Shading	To execute shading correction at the user side, or to restore the shading data to the default (Factory-setting).	(4)	
	Warning Setting	To set warning timing to clean roller and to replace roller	(3)	
	Set Default	To set sleep mode setting , warning timing to clean and to replace roller to the default	(3)	

Test	LED	To light LED on the front panel with colors changing periodically (Green→Orange→Red→Green→Orange)	(5)
	Key / Sensor	To do Key or Sensor ON/OFF test.	(5)
	Sensor Sensitive Level	To check sensitive level of each sensor (Waiting, Starting, Skew (L), Skew (R), Ending)	(5)
	Feed Motor	To check Paper Feed Motor s Rotating	(5)
	Conveyor Motor	To check Conveyor Motor s Rotating	(5)
	Hopper Drive	To check the hopper s Up/Down Mechanism	(5)
	Feed	To check paper feed mechanism.	(5)
	Sleep Mode	To check whether sleep mode function works properly	(5)
	CIS Level	To check maximum peak level after setting gain	(5)
	Double Feed	To check the Double Feed Detector(R) s level (Response level) after setting the ultrasonic sending level and frequency of the Double Feed Detector(G)	(5)
	Memory	To execute memory R/W test.	(5)
Adjust	Shading	To execute shading correction	(4)
	All Position	To adjust scanning length, vertical and horizontal positions for front and back sides, flatbed automatically	(4)
	Individual Position	To execute automatic length, vertical or horizontal position adjustment for front and back sides, flatbed individually To adjust scanning length, vertical and horizontal positions for front and back sides flatbed manually.	(4)
	Double Feed	To correct the Double Feed detector s ultrasonic sending level and frequency automatically or manually.	(4)
Other (Serial NO., Save	Serial No.	To change serial No. for the scanner, connected to PC.	(3)
Information)	Save Information	To save scanner and PC information.	(1)

Note:

*1: This item is available only in case installing Imprinter (Option) to scanner KV-S7065C Series.

Remarks

- (1) Parameter setting by user
- (2) Status indication
- (3) Parameter setting by service person

- (4) Adjustment
- (5) Diag.
- (6) Maintenance

9.3 Operation

TOP PREVIOUS NEXT

This section describes each operation (or status indication), according to the function item list shown in Sec.9.2.

9.3.1 Scanner Status

9.3.2 Error Code

9.3.3 Scanner information

9.3.4 Scanner Counter

9.3.5 Scanner Condition

9.3.6 Test

9.3.7 Adjust

9.3.8 Other (Serial NO., Save Information)

9.3.1 Scanner Status

TOP PREVIOUS NEXT

This function indicates scanner status, updating it every few seconds.

The status messages and its contents are as follows.

Classified Code	Status Message	Contents			
-	Scanner has no error.	No error			
U11, U12, U14, U16	Jam occurred! Please open the door and remove the paper.	U11: Paper feed jam U12: Conveyor jam 1 (around Conveyor) U14: Conveyor jam 2 (around Conveyor) U16: Exit jam (around Exit Roller)			
U18	Paper exists in Scanner yet. Please open the door and remove the paper.	Document remains in scanner, or dust is attached around a sensor.			
U20	Skew error occurred!	Skew error			
U23	Double Feed occurred! Please open the door and remove the paper.	Double feed error			
U30	Scanner Door is open! Please close the door.	Door is open.			
Fxx	System error occurred! Please consult with a service representative.	Service-person call level error occurred.			
-	No Paper! Please set the paper.	No paper error			
-	*** Warning *** The rollers need to be cleaned. Please clean the rollers. Please select Clear Counter button after cleaning rollers.	Warning for cleaning rollers.			
-	*** Warning *** The rollers need to be replaced. Please replace the rollers. Please select Clear Counter button after replacing the rollers.	Warning for replacing rollers.			
-	*** Warning *** Insufficient front light error occurred. The lamp and/or scanning sensor need to be replaced.	 The lamp have reached its life expectancy. Lamp drive circuit for the front does not work properly. 			
-	*** Warning *** Insufficient back light error occurred. The lamp and/or scanning sensor need to be replaced.	 The lamp have reached its life expectancy. Lamp drive circuit for the front does not work properly. 			

-	*** Warning *** The front reference plate may need to be cleaned. Please clean the front reference plate.			
-	*** Warning *** The back reference plate may need to be cleaned. Please clean the back reference plate.	The surface of the plate is dirty.		
-	Scanner is not connected!	Scanner is not connected to PC properly.		

Fig.9.3.1 Scanner Status

9.3.2 Error Code

TOP PREVIOUS NEXT

Classified and Error codes are as follows.

And troubleshooting for this error message and codes is shown is Sec.10.2.

	Contents		Contents		Contents
U1-	Document	H1-		F1-	
U2-	Document	H2-		F2-	Hardware
U3-	Door	H3-		F3-	
U4-		H4-		F4-	
U5-		H5-		F5-	Sensor
U6-		H6-		F6-	Scanning
U7-		H7-		F7-	
U8-		H8-		F8-	
U9-		H9-		F9-	

Fig. 9.3.2 Classified Code Outline

ST1	Error contents
0x	Communication error
1x	Paper jam error
2x	Door open error
3x	Mechanical function error
4x	Paper sensor error
5x	Scanning error
6x	-
7x	-
8x	Hardware error
9x	Hardware error
Ax	-
Вх	-
Сх	-
Dx	-
Ex	-
Fx	-

Fig. 9.3.3 Error Code Outline

Classified Code	Error Code			Contents	
	ST1	ST2	ST3	ST4	
-	00	00	00	00	No error
-	0A	00	00	00	Stop by clicking STOP
-	0B	00	00	00	Stop by ADF stop-command
U11	11	00	00	00	Paper feed jam
U12	12	00	00	00	Conveyor jam1 (around Conveyor)
U14	14	00	00	00	Conveyor jam2 (around Conveyor)
U16	16	00	00	00	Exit jam1 (around Exit Roller)
U18	18	×	00	00	Document remains in scanner (ST2: Sensor Information) *1
U20	19	00	00	00	Skew error
U23	1C	00	×	00	Double feed error (ST3:0 Feed interval /:3 Ultrasonic)
U30	20	00	00	00	Door open
F17	87	×	00	00	GA-IMG SD-RAM error (ST2:0 Access error /:1 SD-RAM error)
F18	88	00	00	00	GA-IMG Extension SD-RAM error
F31	95	00	00	00	Analog IC error
F32	96	00	00	00	SCSI IC error
F33	97	00	00	00	USB IC error
F34	98	00	00	00	EEPROM error
F36	9A	×	00	00	Front GA-SEN SD-RAM error (ST2:0 Access error /:1 SD-RAM error)
F37	9B	01	×	×	Over run error (ST3: Front Information, ST4: Back Information)
F38	9C	×	00	00	Back GA-SEN SD-RAM error (ST2:0 Access error /:1 SD-RAM error)
F40	30	00	00	00	Hopper error
F41	31	00	00	00	Carriage error
F50	40	00	00	00	Waiting Sensor adjustment error
F51	41	00	00	00	Starting Sensor adjustment error
F52	42	00	00	00	Skew (R) Sensor adjustment error
F53	43	00	00	00	Skew (L) Sensor adjustment error
F55	45	00	00	00	Ending Sensor adjustment error
F60	50	00	00	00	Front side gain adjustment error
F61	51	00	00	00	Front side black level adjustment error
F62	52	00	00	00	Back side gain adjustment error
F63	53	00	00	00	Back side black level adjustment error
F80	60	00	00	00	Double Feed Detector adjustment error

Fig. 9.3.4 Error Code

Note: *1 ST2

Bit	Sensor Name
7	-
6	Waiting Sensor
5	Starting Sensor
4	-
3	Ending Sensor
2	-
1	Skew (L) Sensor
0	Skew (R) Sensor

9.3.3 Scanner information

TOP PREVIOUS NEXT

This function provides various types of scanner information to user or service-person. Main contents are as follows.

- (1) Model
- (2) Firmware Version
- (3) Board and Gate Array (LSI) version
- (4) Total memory size
- (5) Interface information
- *1 (6) Imprinter condition
- (7) Compatible mode

Note:*1

This item is indicated only in case Imprinter (Option) is installed.

9.3.4 Scanner Counter

TOP PREVIOUS NEXT

Item	Operation	Default	Remarks
Update All Counter	 Click Update All Counter to update counter s values. Confirm the values of the System , *1 Flatbed , After Clean Roller , and After Replace Roller are updatedon the main menu (Service Utility). 	-	
Clear Counter for cleaning roller	Click Clear Counter to clear the counter for cleaning roller. Confirm the counter value is zero on the main menu (Service Utility).	<u>-</u>	After cleaning or replacing rollers (Paper Feed, Separation, and Retard Rollers), execute this item.
Clear Counter for replacing roller	Click Clear Counter to clear the counter for replacing roller. Confirm the counter value is zero on the main menu (Service Utility).	<u>-</u>	After replacing rollers (Paper Feed, Separation, and Retard Rollers), execute this item.

Note: *1

Flatbed Counter's value increases by 10 counts.

(Example on the flatbed scanning)

- 1. When executing 8 page s scanning in the period of turning ON and OFF the scanner

 → Increment for Flatbed Counter: 0
- 2. When executing 18 page s scanning in the period of turning ON and OFF the scanner

 → Increment for Flatbed Counter: 10
- 3. When executing 38 page s scanning in the period of turning ON and OFF the scanner

 → Increment for Flatbed Counter: 30

9.3.5 Scanner Condition

Item	Operation	Default	Remarks
Sleep Mode	 Click Sleep Mode on the main menu (Service Utility). Set Sleep Mode to enable or disable by checking check-box. Set Waiting time (minutes) to change sleep mode. Click OK to renew the setting. 	Enable 15 minutes	
Clean Imprinter	Click Clean Imprinter on the main menu to clean an ink jet head to print.	-	This item is available only in case of installing Imprinter (Option) to scanner.
Paper Mode / Buzzer Setting	 Click Paper Mode / Buzzer Setting on the main menu. Set Paper Mode (A4 or Letter) and/or Buzzer Setting (ON or OFF) on Paper Mode / Buzzer Setting dialog box. Click OK to renew the setting. 		
Compatible Mode	 Click Compatible Mode on the main menu. Set a model number to operate the scanner as the emulation mode on Compatible Mode dialog box. Click OK to renew the setting. 		
User Shading	 Click User Shading on the main menu. Push Start Shading or Restore Default on User Shading dialog box. Note: A. When selecting Restore Default, the factory-setting data will be overwritten in stead of the current shading data. B. The following procedures 3 or more are available only for selecting Start Shading Clean the conveyor, rollers, ADF glasses according to the message on the display. And click OK. Reverse Reference Plates to white according to the message on the display. And click OK. Set the accessory Shading Paper or Shading Paper (Part No.: See 14.7.) on the Hopper 	-	Before executing the shading function, be sure to clean ADF Glasses, rollers, and conveyors related to convey documents. Do not stop the shading execution on its way and do not open any doors.

	Tray in the landscape orientation. And click OK. 6. Scan the Shading Paper. 7. Reverse the Reference Plates to black according to the message on the display. And click OK. 8. Click OK to get back to the main menu.		
Warning Setting	 Click Warning Setting on the main menu. Change the parameter on Warning Setting dialog box. Click OK to renew the setting. 	Clean: 20000 Replace: 300000	
Set Default	 Click Set Default on the main menu. Click Set Default on Set Default dialog box to set Sleep Mode setting, Clean Roller Timing and ReplaceRoller Timing to be in default. Click Close to get back the main menu. 		

9.3.6 Test

Item	Operation	Default	Remarks
LED	 Click LED on the main menu. Click START on LED dialog box to start LED Test continuously until clicking STOP. Click Close to get back the main menu. 	-	Changing periodically (Green→Orange→Red→Green)
Key / Sensor	Click Key / Sensor on the main menu. Check key and sensor status on the Key / Sensor dialog box. Click Close to get back to the main menu.	-	
Sensor Sensitive Level	 Click Sensor Sensitive Level on the main menu. Click each sensor sensitive level (Offset, Slice) on Sensor Sensitive Level dialog box. Click Close to get back to the main menu. 	-	Good result Offset: less than 255 Slice: 7
Feed Motor	 Click Feed Motor on the main menu. Click START on Feed Motor dialog box to start to rotate Paper Feed Motor continuously until clicking STOP. Click Close to get back to the main menu. 	_	

Conveyor Motor	 Click Conveyor Motor on the main menu. Click START on Conveyor Motor dialog box to start to rotate Conveyor Motor continuously until clicking STOP. Click Close to get back to the main menu. 	
Feed	 Set documents on the Hopper Tray. Click Feed on the main menu. 	-
	3. Set Test Mode and Test Condition depending on each scanning condition. Note: Operation Set Imprinter is available only when the optional Imprinter is installed.	
	4. Click START on Feed dialog box to start feeding documents. Note: When selecting Flatbed on the Test Mode, check the CIS Carriage s sliding from one end to the other repeatedly.	
	5. Click STOP on Feed dialog box to stop the test.6. Click Close to get back to the main menu.	
Sleep Mode	 Click Sleep Mode on the main menu. Click START on Sleep Mode dialog box to enter into the sleep mode. Click STOP to get out of the sleep mode. Click Close to get back to the main menu. 	

CIS Level	 Click CIS Level on the main menu. Set Gain of front and back sides on the CIS Level dialog box. Click START on the CIS Level dialog box to start CIS Level Test. Check whether the peak level is within the specification. (See Remarks.) Click STOP to finish this test. Click Close to get back to the main menu. 	-	Gain Good result (Peak Level) Front: 0 400 or more Back: 0
Double Feed	 Click Double Feed for Test item on the main menu. Set Send Level and Frequency on Double Feed Sensor dialog box. Click START on the Double Feed Sensor dialog box to start the double feed sensor s sensitivity test. Check whether the peak level is within the specification (See Remarks.) Click STOP to finish this test. Click Close to get back to the main menu. 	-	Send Level Good result (Peak Level) Level: 180 Frequency: 220
Memory	 Click Memory on the main menu. Click START on Memory dialog box to start Memory Read / Writer Test. Check the result. Click Close to get back to the main menu. 		Regarding to Error Code, refer to Sec.9.3.2.

9.3.7 Adjust

Item	Operation	Default	Remarks
Shading	 Click Shading on the main menu to execute shading correction. Confirm the message The data of User Shading will be also overwritten. on the display. And if the message is acceptable, click OK. Clean the conveyor, rollers, ADF glasses according the message on the display. And click OK. Reverse Reference Plates to white according to the message on the display. And click OK. Set Shading Paper (Part No.: See 14.7.) on the Hopper Tray in the landscape orientation. And click OK. Scan the Shading Paper. Reverse the Reference Plates to black according to the message on the display. And click OK. Click OK to get back to the main menu. 	-	Do not stop the shading execution on its way and do not open any doors.
All Position	 Set 2pcs of test chart A (Part No.: See 14.7.) on the Hopper Tray in the portrait orientation and 1pcs of test chart A on the Flatbed. Click All Position on the main menu to execute scanning position & length adjustment. Check the Result. Click OK to get back to the main menu. 	-	Set 2 pcs of test chart A in order. 1st page: Front side 2nd page: Back side
Individual Position	 Adjust Automatically A. Set test chart A (Part No.: See 14.7.) on the Hopper Tray in the portrait orientation or Flatbed. B. Click Individual Position on the main menu. C. Click one of 8 automatic adjustment menu on Individual Position dialog box to execute adjustment. D. Check the result. E. Click OK to finish this adjustment. F. Click OK to get back to the main menu. Adjust Manually 		1. Adjust Automatically 8 automatic adjustment A. Adjust Length B. Adjust Front V. Position C. Adjust Front H. Position D. Adjust Back V. Position E. Adjust Back H. Position F. Adjust FB Length G. Adjust FB V. Position H. Adjust FB H. Position 2. Adjust Manually (Vertical Position) +: Increasing the number makes the document scanning position shifted downward
	 A. Click Individual Position on the main menu. B. Change the parameter (mm, %) on the Individual Position dialog box, as required. (Refer to Remarks.) 		(Horizontal Position) +: Increasing the number makes the document scanning position shifted to

	C. Click OK to renew the setting, and to get back to the main menu.	the right. (Length) +: Increasing a number makes the scanning document length longer. Note: If the appropriate scanning position can not be determined by any of the manual adjustments, check CIS attachment to the scanner.
Double Feed	Adjust Automatically A. Set Shading Paper (Part No.: See 14.7.) on the Hopper Tray in the portrait orientation. B. Click Double Feed for Adjust item on the main menu. C. Click Adjust Automatically on Double Feed Sensor dialog box to adjust the double-feed sensitivity. D. Check the result. E. Click OK on finish this adjustment. F. Click OK on the Double Feed Sensor dialog box to get back to the main menu.	
	Adjust Manually A. Click Double Feed for Adjust item on the main menu. B. Change parameters (Send Level, Frequency) as required on the Double Feed Sensor dialog box. C. Click OK on the Double Feed Sensor dialog box to get back to the main menu.	

9.3.8 Other (Serial NO., Save Information)

TOP PREVIOUS NEXT

(1) Serial NO.

After clicking Serial NO on the main menu, click Set on Serial NE dialog box to store a new serial number for a new CONTROL Board replaced. (This settingis only available for the new CONTROL Board.)

(2) Save Information

This function saves scanner and PC information (Counter values, Adjustment values, CPU, OS, and others) as log file, clicking Save file on the main menu.

9.4 Scanner Self-test

TOP PREVIOUS NEXT

Without connecting scanner to PC, the following contents can be done as the scanner self-test.

The following test is mainly available for mechanical test after replacing or reassembling rollers (Drive roller, Sensor roller) and other mechanical parts related to feed documents.

Note:*7

Regarding each LED s (Front, Back) position in the following figure, see Sec.3.

Test Item	Operation		LED status	Remarks
		*7 Front	*7 Back	
			●: OFF ○: ON	
1. Paper Feed Motor s rotating	1. While pushing STOP/START Button on the front panel, turn on the scanner.	-	-	
	2. Release the button at the timing when the front LED status changes from blinking to ON.	Orange (Blinking) →Green	OFF→Blinking	
	3. Push the STOP/START Button once to enter into the test selection mode.	Green	Blinking→Count	
	4. Push the STOP/START Button once at the timing when the back panel LED s status is 1 (h) *1. Note: This operation allows the scanner to select the Feed Motor's rotating test.	Green	*1 • • • •	

	5. Push the STOP/START Button once to start the test.	Green	$\bullet \bullet \bullet \circ$	
	6. Push the STOP/START Button once to stop the test.	Green	• • • 0	
	7. Turn off the scanner to finish the test.	-	-	
2. Conveyor Motor s rotating	1. While pushing STOP/START Button on the front panel, turn on the scanner.	-	-	
	2. Release the button at the timing when the front LED status changes from blinking to ON.	Orange (Blinking) →Green	OFF→Blinking	
	3. Push the STOP/START Button once to enter into the test selection mode.	Green	Blinking→Count	
	4. Push the STOP/START Button once at the timing when the back panel LED s status is 2 (h) *2.	Green	*2 ● ● ○ ●	
	Note: This operation allows the scanner to select the Conveyor Motor s rotating test.			
	5. Push the STOP/START Button once to start the test.	Green	• • •	
	6. Push the STOP/START Button once to stop the test.	Green	• • •	
	7. Turn off the scanner to finish the test.	-	-	

0.0				
3. Carriage Motor s Drive	1. While pushing STOP/START Button on the front panel, turn on the scanner.	-	-	
	2. Release the button at the timing when the front LED status changes from blinking to ON.	Orange (Blinking) →Green	OFF→Blinking	
	3. Push the STOP/START Button once to enter into the test selection mode.	Green	Blinking→Count	
	4. Push the STOP/START Button once at the timing when the back panel LED s status is 3 (h) *3.	Green	*3 • • • •	
	Note: This operation allows the scanner to select the Carriage Motor s Drive test.			
	5. Push the STOP/START Button once to start the test.	Green	• • 0 0	
	6. Push the STOP/START Button once to stop the test.	Green	• • 0 0	
	7. Turn off the scanner to finish the test.	-	-	
4. Hopper Drive	1. While pushing STOP/START Button on the front panel, turn on the scanner.	-	-	
	2. Release the button at the timing when the front LED status changes from blinking to ON.	Orange (Blinking) →Green	OFF→Blinking	
	3. Push the STOP/START Button once to enter	Green	Blinking→Count	

	4. Push the STOP/START Button once at the timing when the back panel LED s status is 4 (h) *4. Note: This operation allows the scanner to select the Hopper Drive test.	Green	*4 • • •	
	5. Push the STOP/START Button once to start the test.	Green	• 0 • •	
	6. Push the STOP/START Button once to stop the test.	Green	• 0 • •	
	7. Turn off the scanner to finish the test.	-	-	
5. Feed	1. While pushing STOP/START Button on the front panel, turn on the scanner.	-	-	
	2. Release the button at the timing when the front LED status changes from blinking to ON.	Orange (Blinking) →Green	OFF→Blinking	
	3. Set documents on the Hopper Tray.	Green	Blinking	
	4. Push the STOP/START Button once to enter into the test selection mode.	Green	Blinking→Count	
	5. Push the STOP/START Button once at the timing when the back panel LED s status is 5 (h) *5. Note: This operation	Green	*5 ● ○ ● ○	
	allows the scanner to select the Feed test.			

	6. Push the STOP/START Button once to start the test.	Green	• 0 • 0	
	7. Turn off the scanner to finish the test.	-	-	
6. Shading	1. While pushing STOP/START Button on the front panel, turn on the scanner.	-	-	Before executing the shading function, be sure to clean ADF Glasses, rollers, and conveyors related to convey documents.
	2. Release the button at the timing when the front LED status changes from blinking to ON.	Orange (Blinking) →Green	OFF→Blinking	Do not stop the shading execution on its way. And do not open any doors except for the procedures 7 and 9 in the
	3. Set a Shading Paper (Part No.: See 14.7.) on the Hopper Tray in the landscape orientation.	Green	Blinking	Operation Column of this test item.
	4. Push the STOP/START Button once to enter into the test selection mode.	Green	Blinking→Count	
	5. Push the STOP/START Button once at the timing when the back panel LED s status is 6 (h) *6.	Green	*6 ● ○ ○ ●	
	Note: This operation allows the scanner to select the Shading test.			
	6. Push the STOP/START Button for 5 seconds or more to enter into the shading test.	Green	• 0 0 •	
	7. After confirming the front panel LED is blinking with orange and green alternately, open the Exit Door and turn the two Reference Plates (F, B) to the white side. And close the Exit Door.	Blinking with orange and green alternately	• 0 0 •	

8. Paper feeding starts to execute the shading.	Blinking with orange (during shading)	•	0	0	•
9. After confirming the front panel LED is blinking with orange and red alternately, open the Exit Door again and turn the two Reference Plates (F, B) to the black side. And close the Exit Door.	Blinking with orange and red alternately →Blinking with orange (during shading)	•	0	0	•
10. After confirming the front LED is green, turn off the scanner to finish the test.	Green→OFF		-		

10 TROUBLESHOOTING

TOP PREVIOUS NEXT

10.1 Troubleshooting-1 (with no error message on PC)

10.2 Troubleshooting-2 (According to error message on PC)

10.2.1 Error Code

10.3 Requirement After Parts Replacement

10.1 Troubleshooting-1 (with no error message on PC)

wer circuit does not work properly.	 Check Power Switch's ON/OFF mechanical condition. Check the following connection and soldering condition. A. AC Inlet to CN801 (POWER Board) B. CN802 (POWER Board) to CN4003 (DRIVE Board) C. CN4005 (DRIVE Board) to CN5036 (POWER RELAY Board) D. CN4007 (DRIVE Board) to CN1006 (CONTROL Board) Check the connection between the POWER Board and FAN. Check whether the Fuse (F801) and Fuse (F841) is not broken. Check the following parts soldering condition to repair it. → Q801, IC802 Check DC supply (24 V) on the POWER Board. → CN802-6, 7, 8th pins, CN803-1st pin Check the following signals on the POWER Board. → IC801-8th: (See Fig.10.1.1 .)
	 4. Check whether the Fuse (F801) and Fuse (F841) is not broken. 5. Check the following parts soldering condition to repair it. → Q801, IC802 6. Check DC supply (24 V) on the POWER Board. → CN802-6, 7, 8th pins, CN803-1st pin 7. Check the following signals on the POWER Board.
	→ IC802-1st: (See Fig.10.1.2 .) 8. Check DC supply (14 V, 5 V, 3.3 V) on the DRIVE Board. → CN4007-4th pin: 14 V → CN4007-6, 7th pins: 5 V → CN4007-10, 11th pins: 3.3 V 9. Replace faulty parts or boards.
fely circuit operates, or is broken.	 Check whether improper connection and/or condition (for example, a signal line contacts to the plate around the POWER Board or DRIVE Board) affect this issue. Check the connection between CN802 (POWER Board) and CN4003 (DRIVE Board). Check the following parts soldering condition on the POWER Board. CN802-1st pin, IC803, IC804, IC805, Q802, Q806 Check the following parts soldering condition on the DRIVE Board. → D4002 to D4011 Replace faulty parts or boards.
D or its drive circuit does not work ctly.	 Check the following connection and soldering condition on each connector. A. CN5023 (PANEL Board) to CN4004 (DRIVE Board) B. CN4002 (DRIVE Board) to CN1008 (CONTROL Board) Check the soldering condition of D5006, Q5026, Q5028 on the PANEL Board, and of Q4001, Q4002, Q4008, Q4009 on the DRIVE Board, and of IC1024, Z1067 on the CONTROL Board. Check the following signals
	O or its drive circuit does not work

Electrical circuit does not work properly.	Check the connection between the FAN and CN803 (POWER Board). Check the following signals on the POWER Board. A. CN803-1st pin: 24 V
Mechanical problem prevents FAN from rotating.	Check whether obstacles that prevent the FAN from rotating exist. Replace the faulty FAN.
Refer to Error Code U30 (See 10.2.1.).	Refer to Error Code U30 (See 10.2.1.).
Buzzer or its control circuit does not operate correctly.	 Check the following connection and soldering condition on each connector. A. CN5023 (PANEL Board) to CN4004 (DRIVE Board) B. CN4002 (DRIVE Board) to CN1008 (CONTROL Board) Check the soldering condition of Q5025, Q5027, Q5029, and their surrounding circuit on the PANEL Board, and of IC1024 on the CONTROL Board. Check the following signals CN5023-1st, CN1008-8th pins: 1 kHz (when the buzzer sounds) Replace faulty parts or boards.
The location between document guide slider and Size Detector is not proper to detect document size.	 Check whether the attachment of the SIZE DETECTOR Board is proper. Check the tip of the slider on the bottom of the hopper interrupts the detector, according to sliding the guide, normally. Reattach or replace parts.
The Size detector or its monitor circuit does not work correctly.	 Execute Key / Sensor test in Sec.9.3.6 to check the detector condition. Check the following connection and soldering condition on each connector. A. CN5010 (SIZE DETECTOR Board) to CN5013 (HOPPER RELAY Board) B. CN5014 (HOPPER RELAY Board) to CN5020 (SENSOR RELAY Board) C. CN5022 (SENSOR RELAY Board) to CN1009 (CONTROL Board) Check the following parts and their surrounding circuit s soldering condition on the SIZE DETECTOR Board and CONTROL Board
The location between document cover s actuator and Document Cover Detector is not proper to detect cover s closing status.	Check whether the attachment of the DOCUMENT COVER DETECTOR Board is proper. Check the actuator interrupts detector when closing the cover normally. Reattach or replace parts.
	2. Mechanical problem prevents FAN from rotating. Refer to Error Code U30 (See 10.2.1.). Buzzer or its control circuit does not operate correctly. 1. The location between document guide slider and Size Detector is not proper to detect document size. 2. The Size detector or its monitor circuit does not work correctly.

	The Document Cover Detector or its monitor circuit does not work correctly.	 Execute Key / Sensor test in Sec.9.3.6 to check the detector condition. Check the following connection and soldering condition on each connector. A. CN5034 (DOCUMENT COVER DETECTOR Board) to CN4017 (DRIVE Board) B. CN4002 (DRIVE Board) to CN1008 (CONTROL Board) Check the following parts and their surrounding circuit s soldering condition on the DOCUMENT COVER DETECTOR Board and CONTROL Board A. DOCUMENT COVER DETECTOR Board → IC5018, Q5030 B. CONTROL Board → IC1035 Check the following signal on the CONTROL Board (in case of closing the cover.) IC1035-4th pin: 3.3 V Replace faulty parts or boards.
ADF scanning image for front side or flatbed scanning image is not clear.	Optical function block on the CIS has a problem.	 Check the surface of the ADF Glass (F) is not dirty. → Clean the surface with the cleaning paper. Alien substance in the CIS → Remove it.
	2. Pixel data from CIS (F) or image processing circuit have some problems.	 Check the following connection and soldering condition on each connector. A. CIS (F) to CN3003 (CARRIAGE RELAY Board) B. CN3001 (CARRIAGE RELAY Board) to CN1003 (CONTROL Board) C. CN1000 (CONTROL Board) to CN2000 (INTERFACE Board) Check the following CIS timing signals on the CARRIAGE RELAY Board are normal. CN3003-35th pin: 5 MHz CN3003-33rd pin: 5 MHz Check the soldering condition of the IC1010, IC1011, IC1024 and their surrounding circuit on the CONTROL Board. Check the soldering condition of the IC1008, IC1009, and their surrounding circuit on the CONTROL Board. Check the soldering condition of the IC2045 and its surrounding circuit on the INTERFACE Board. Replace faulty parts or boards.
ADF scanning image for back side image is not clear.	Optical function block on the CIS has a problem.	 Check the surface of the ADF Glass (B) is not dirty. → Clean the surface with the cleaning paper. Alien substance in the CIS → Remove it.
	2. Pixel data from CIS (B) or image processing circuit have some problems.	 Check the following connection and soldering condition on each connector. A. CIS (B) to CN3006 (CIS RELAY Board) B. CN3005 (CIS RELAY Board) to CN1002 (CONTROL Board) C. CN3004 (CIS RELAY Board) to CN1001 (CONTROL Board) D. CN1000 (CONTROL Board) to CN2000 (INTERFACE Board) Check the following CIS timing signals are normal. → CN3006-6th pin: 5 MHz → CN3006-8th pin: 5 MHz Check the soldering condition of the IC1012, IC1013, IC1024 and their surrounding circuit on the CONTROL Board. Check the soldering condition of the IC1006, IC1007, and their surrounding circuit on the CONTROL Board. Check the soldering condition of the IC2046 and its surrounding circuit on the INTERFACE Board. Replace faulty parts or boards.

Scanning position is shifted.	When reassembling CIS or mechanical parts related to conveying documents, re-adjustment has not been done.	Execute All Position or Individual Position test in Sec.9.3.7 to adjust the scanning position.				
	2. When replacing CONTROL Board, CIS, or mechanical parts related to conveying documents, re-adjustment has not been done.					
The document skews when scanning.	Document quality is out of this scanner s specification.	Check the specification on this scanner. (See Sec. 2.)				
	2. Rollers are dirty.	Clean the rollers. (See 7.2.)				
	3. Rollers are not attached to the default position properly when assembling.	Assemble the rollers again.				
	4. Rollers have reached their life expectancy.	After inspecting them, replace the roller.				

Fig.10.1.1

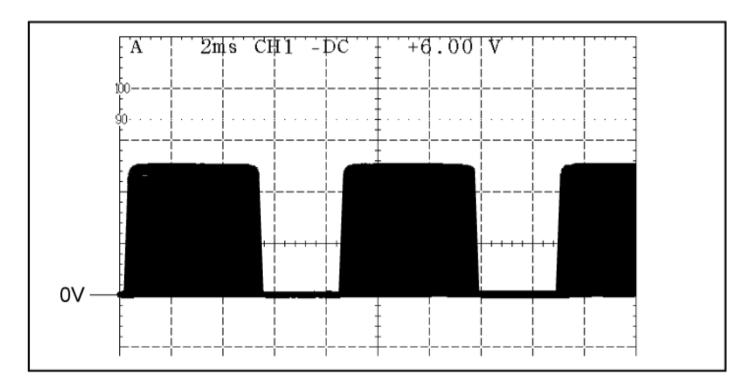
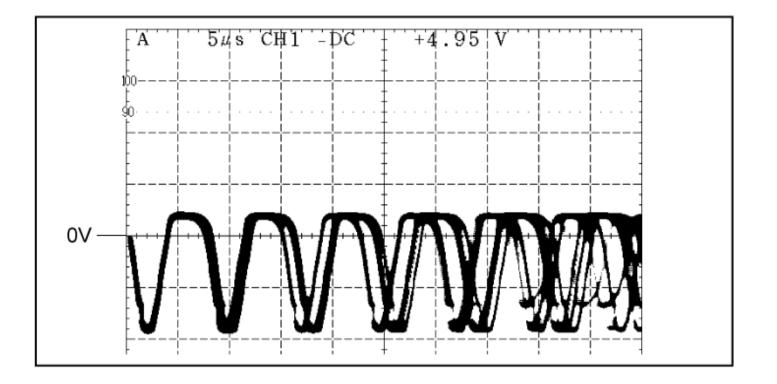


Fig.10.1.2



10.2 Troubleshooting-2 (According to error message on PC)

TOP PREVIOUS NEXT

10.2.1 Error Code

10.2.1 Error Code

Error Code						Possible Cause	Check Point	Remarks
Classified Code	ST1	ST	2 ST	3	ST4			
Error Massage	-	-	-		-	1. Documents are not set on the Hopper tray.	Set the documents on the tray.	
No paper! Please set the paper.						2. Paper dust exist on or around the Paper sensor	Blow off the dirt with the accessory blower. (See Sec.7.2.)	
(No paper error)						3. Paper Sensor in not working correctly.	 Execute Key / Sensor test in the Sec.9.3.6 to check the sensor condition. Check the sensor attachment condition. (whether the sensor attachment direction faces to paper on the Hopper. Check the following connection and soldering condition on each connector. A. Paper Sensor to CN5011 (SIZE DETECTOR Board) B. CN5010 (SIZE DETECTOR Board) to CN5013 (HOPPER RELAY Board) C. CN5014 (HOPPER RELAY Board) to CN5020 (SENSOR RELAY Board) D. CN5022 (SENSOR RELAY Board) to CN1009 (CONTROL Board) Check the signal *PEXIST condition: 0 V when paper exists → Monitor points: CN5011-2nd pin, CN5010-7th pin, CN5013-4th pin, CN5014-5th pin, CN5022-22th pin, CN1009-1st pin Check the soldering condition of IC1034-2nd, 18th pins and repair it. Replace faulty parts or boards. 	
U11 (Paper feed jam: Paper does not reach the Waiting Sensor)	11	00	000)	00	Paper Feed Roller Module or Retard Roller are not assembled correctly.	 Reassemble the rollers. Check the paper feed mechanism from the Paper Feed Motor s gear to Paper Feed Roller s gear. (See 6.2 and 6.3.) 	
						2. Rollers (Paper Feed, Separation, Retard) are dirty.	 Clean the rollers. (See Sec.7.2.) Clear counter for cleaning roller to zero with the service utility s operation in Sec.9. 	_
						3. Rollers have reached their life expectancy.	 Replace the Paper Feed, Separation, and Retard Rollers after checking each roller configuration and Scanner Counter of Service Utility software. Clear counter for replacing roller to zero with the above service utility. 	-
					,	Paper dust exist on or around the Waiting Sensor.	 Blow off the dirt with the accessory blower. (See Sec.7.2.) Execute Key / Sensor and Sensor Sensitive Level tests in Sec.9.3.6 to check the sensor condition. 	

U11 (Paper feed jam: Paper does not reach the Waiting Sensor)	11	00	00	00	5. Waiting Sensor does not work correctly.	 Execute Key / Sensor and Sensor Sensitive Level tests in Sec.9.3.6 to check the sensor condition. Check whether the sensor alignment is proper (whether the sensor direction faces to its reflector.) Check the following connection and soldering condition on each connector. A. CN5006 (WAITING SENSOR Board) to CN5002 (OUTER CONVEYOR RELAY Board) B. CN5004 (OUTER CONVEYOR RELAY Board) to CN1014 (CONTROL Board) Check the following signals. A. STBY signal (CN5006-2nd pin, CN5004-9th pin) → 1.5 V or less (when none exists on the Waiting Sensor) B. Check the reference signal for the STBY signal on the CONTROL Board. IC1014-2nd pin: 1.5 V or less IC1016-5th pin: Approx. 1.5 V C. Check comparator output signal.
					6. Paper Feed Motor does not work properly.	 Check the motor mechanism condition by carrying out Feed Motor test. (See 9.3.6.) Check the following connection and soldering condition on each connector. A. Paper Feed Motor to CN5032 (POWER RELAY Board) B. CN5025 to CN5032 on the POWER RELAY Board Check the following signals CN5032-1, 4, 5, 7th pins See Fig.10.2.1 Replace faulty cables. Replace the Paper Feed Motor.
					7. Paper Feed Motor control circuit does not work properly.	 Check following connection and soldering condition on each connector. A. CN5025 (POWER RELAY Board) to CN4008 (DRIVE Board) B. CN4001 (DRIVE Board) to CN1007 (CONTROL Board) C. CN1000 (CONTROL Board) to CN2000 (INTERFACE Board) Check the soldering condition of IC4002 on DRIVE Board to repair it. Check the following signals on the DRIVE Board.
U12 (Conveyor jam 1: Paper does not reach the Starting Sensor s position.)	12	00	00	00	Document remains between Waiting Sensor and Starting Sensor. Paper dust exist on or around the Starting Sensor	Remove the document from the scanner. 1. Blow off the dirt with the accessory blower. (See Sec.7.2.)
						2. Execute Key / Sensor and Sensor Sensitive Level tests in Sec.9.3.6 to check the sensor condition.

					3. Starting Sensor does not work correctly.	 Execute Key / Sensor and Sensor Sensitive Level tests in Sec. 9.3.6 to check the sensor condition. Check whether the sensor alignment is proper (whether the sensor direction faces to its reflector.) Check the following connection and soldering condition on each connector. A. CN5012 (STARTING SENSOR Board) to CN5017 (SENSOR RELAY Board) B. CN5022 (SENSOR RELAY Board) to CN1009 (CONTROL Board) Check the following signals. A. PHEAD signal (CN5012-3rd pin, CN5017-3rd pin, CN5022-10th pin) → 1.5 V or less (when none exists on the Starting Sensor) B. Check the reference signals for the PHEAD signal on the CONTROL Board. → IC1014-9th pin: 1.5 V or less (After initializing) → IC1016-9th pin: Approx. 1.5 V C Check comparator output signal. → IC1016-14th pin: 3.3 V (when no paper exists) Replace faulty parts or boards.
U12 (Conveyor jam 1: Paper does not reach the Starting Sensor s position.)	12	00	00	00	4. Mechanical problem (Drive Roller, Drive Belt, Conveyor)	 Execute Feed Motor and Conveyor Motor test in Sec.9.3.6 to check the mechanical condition. Check whether the Drive Rollers (especially Drive Rollers 1, 2), the Drive belt, and the conveyor to support the Drive Rollers are put together into the scanner properly. Check the surface of the Drive Rollers. A. Configuration:
					5. Conveyor Motor does not work properly.	 Execute Conveyor Motor test in Sec.9.3.6 to check the motor s rotating condition. Check the following connection and soldering condition on the POWER RELAY Board A. Conveyor Motor to CN5031 (POWER RELAY Board) B. CN5031 to CN5025 on the POWER RELAY Board Check the following signals CN5031-1, 3, 4th, or 6th pins (when executing Conveyor Motor test): See Fig.10.2.3. Replace faulty parts or POWER RELAY Board.
					6. Conveyor Motor circuit does not work properly.	 Execute Conveyor Motor test in Sec.9.3.6 to check the motor s rotating condition. Check the following connection and soldering condition. A. CN5025 (POWER RELAY Board) to CN4008 (DRIVE Board) B. CN4001 (DRIVE Board) to CN1007 (CONTROL Board) C. CN1000 (CONTROL Board) to CN2000 (INTERFACE Board) Check the soldering condition of IC4001 and its surrounding circuit on DRIVE Board to repair it. Check the following signals on the DRIVE Board.

						 6. Check the soldering condition of IC2045-224th pin on the INTERFACE Board to repair it. 7. Replace faulty parts or boards.
U14 (Conveyor jam 2: Paper does	14	00	00	00	Document remains between Starting Sensor and Ending Sensor.	Remove the document from the scanner.
not reach the Ending Sensor s position.)					2. Paper dust exist on or around the Ending Sensor.	Blow off the dirt with the accessory blower. (See Sec.7.2.) Execute Key / Sensor and Sensor Sensitive Level tests in Sec.9.3.6 to check the sensor condition.
					3. Ending Sensor does not work correctly.	 Execute Key / Sensor and Sensor Sensitive Level tests in Sec.9.3.6 to check the sensor condition. Check whether the sensor alignment is proper (whether the sensor direction faces to its reflector.) Check the following connection and soldering condition on each connector. A. CN5015 (ENDING SENSOR Board) to CN5016 (SENSOR RELAY Board) B. CN5022 (SENSOR RELAY Board) to CN1009 (CONTROL Board) Check the following signals. A. PEXIT signal (CN5015-2nd pin, CN5016-2nd pin, CN5022-7th pin, CN1009-16th pin) → 1.5 V or less (when none exists on the Ending Sensor) B. Check the reference signals for the PEXIT signal on the CONTROL Board. → IC1015-6th pin: 1.5 V or less (After initializing) → IC1017-7th pin: Approx. 1.5 V C. Check comparator output signal.
					Mechanical problem (Drive Roller, Drive Belt, Conveyor)	 Execute Conveyor Motor test in Sec. 9.3.6 to check the mechanical condition. Check whether the Drive Rollers (3, 4), the Drive belt, and the conveyor to support the Drive Rollers are put together into the scanner properly. Check the surface of the Drive Rollers (3, 4). A. Configuration:
J16	16	00	00	00	Document remains forward Ending Sensor.	Remove the document from the scanner.
Exit jam: around Exit Roller)					2. Paper dust exist on or around the Ending Sensor.	Blow off the dirt with the accessory blower. (See Sec.7.2.) Execute Key / Sensor and Sensor Sensitive Level tests in Sec.9.3.6 to check the sensor condition.

					3. Mechanical problem (Exit Roller, Drive Belt, Conveyor)	 Execute Conveyor Motor test in Sec.9.3.6 to check the mechanical condition. Check whether the Drive Rollers (3, 4), Exit Roller, Drive belt, and the conveyor to support the rollers are put together into the scanner properly. Check the surface of Drive Roller, or of Exit Roller. A. Configuration: Is the roller shape irregular? → Replace the roller. B. Whether the roller surface is dirty → Clean the surface. Check whether the Drive Belt tension is proper. → Re-adjust the belt tension (See 8.3.18.).
U18	18	xx	00	00	1. Document remains in scanner.	Remove the document from the scanner.
(Document remains in scanner)					2. Paper dust exist on a sensor.	Execute Key / Sensor and Sensor Sensitive Level tests in Sec.9.3.6 to define the sensor that results in this problem. Blow off the dirt on the surface of the sensor with the accessory blower. (See Sec.7.2.)
					3. A sensor does not work correctly.	 Execute Key / Sensor and Sensor Sensitive Level tests in Sec.9.3.6 to define the sensor that results in this problem. Check each sensor, its connection, and its monitor circuit. A. Waiting Sensor See the 5th item of U11. B. Starting Sensor See the 3rd item of U12. C. Skew (L) or Skew (R) Sensor See the 6th and 7th items of U20. D. Ending Sensor See the 3rd item of U14.
U20: Skew error	19	00	00	00	Document on the Hopper Tray is not set correctly.	Set the document on the Hopper Tray, sliding the Document Guide according to the document width. And execute scanning, again.
					2. ADF Door is not closed firmly.	Close the door surely.
					3. A roller (Paper Feed, Separation, Retard, Drive, Exit, or Free) is dirty.	 Clean the rollers. (See Sec.7.2.) Clear counter for cleaning roller to zero with the service utility s operation in Sec.9.
					4. A roller (Paper Feed, Separation, Retard, Drive, or Exit) swells irregularly	Replace the roller. Note: After replacing Paper Feed, Separation, and Retard rollers, clear counter for replacing roller to zero with the service utility.
U20: Skew error	19	00	00	00	5. Paper dust exist on or around a Skew Sensor.	Blow off the dirt on the surface of the sensor with the accessory blower. (See Sec.7.2.)

					6. The Skew (L) Senso	or does not work properly.	 Execute Key / Sensor and Sensor Sensitive Level tests in Sec.9.3.6 to check the sensor condition. Check whether the sensor alignment is proper (whether the sensor direction faces to its reflector.) Check the following connection and soldering condition on each connector. A. CN5012 (STARTING SENSOR Board) to CN5017 (SENSOR RELAY Board) B. CN5022 (SENSOR RELAY Board) to CN1009 (CONTROL Board) Check the following signals. A. SKEWL signal (CN5012-4th pin, CN5017-4th pin, CN5022-9th pin, CN1009-14th pin) → 1.5 V or less (when none exists on the Skew (L) Sensor) B. Check the reference signals for the SKEWL signal on the CONTROL Board.
					7. The Skew (R) Senso	or does not work properly.	 Execute Key / Sensor and Sensor Sensitive Level tests in Sec.9.3.6 to check the sensor condition. Check whether the sensor alignment is proper (whether the sensor direction faces to its reflector.) Check the following connection and soldering condition on each connector. A. CN5012 (STARTING SENSOR Board) to CN5017 (SENSOR RELAY Board) B. CN5022 (SENSOR RELAY Board) to CN1009 (CONTROL Board) Check the following signals. A. SKEWR signal (CN5012-2nd pin, CN5017-2nd pin, CN5022-8th pin, CN1009-15th pin) → 1.5 V or less (when none exists on the Skew (R) Sensor) B. Check the reference signals for the SKEWR signal on the CONTROL Board.
U23 (Double feed error)	1C	00	xx	00	Double feed occurs.	Document quality is out of spec. for this scanner.	Set the correct documents on the Hopper Tray according to this scanner specifications. Note: Refer to Sec.2.
						Manual Feed Selector is in MANUAL .	Set Manual Feed Selector to AUTO and execute scanning, again.
						Rollers (Paper Feed, Separation, Retard) are not assembled properly.	Reassemble the rollers.
						Rollers (Paper Feed, Separation, Retard) are dirty.	Clean the rollers. Clear counter for cleaning roller to zero with the above service utility.
							Rollers have reached their life expectancy.

						ble Feed Detector (G) does work properly.	 Execute Double Feed test in Sec.9.3.6 to check the detector condition. Check whether the Double Feed Detector (G) is aligned properly. Check the following connection and soldering condition on each connector. A. Double Feed Detector (G) to CN5021 (SENSOR RELAY Board) B. CN5022 (SENSOR RELAY Board) to CN1009 (CONTROL Board) Check the following parts soldering condition to repair it. A. CONTROL Board IC1024 (43, 44, 45th pins), IC1018 B. SENSOR RELAY Board IC5017, Q5016, Q5017, Q5020, Q5022, Q5023, Q5024, and the surrounding circuit Check the following signals. A. DC 24 V signal (CN5022-6th pin) B. JS_CLK (CN5022-3rd pin) → 200 kHz C. USOUND_S1 (CN5021-1st pin) → 200 kHz Replace faulty parts or boards.
U23 (Double feed error)	1C	00	XX	00		ible Feed Detector (R) does work properly.	 Execute Double Feed test in Sec.9.3.6 to check the detector condition. Check whether the receiver alignment is proper. Check the following connection and soldering condition on each connector. A. Double Feed Detector (R) to CN5001 (OUTER CONVEYOR RELAY Board) B. CN5004 (OUTER CONVEYOR RELAY Board) to CN1014 (CONTROL Board) Check the following parts soldering condition to repair it. A. CONTROL Board
U30 (Door open)	20	00	00	00	ADF Door or Exit Door is r Door SW (Micro switch) do		1. Execute Key / Sensor in Sec.9.3.6 to check the door switch mechanical condition between the door and micro switch. 2. Check the connection between the door switches (ADF Door Switch, Exit Door Switch) and CN5028 on the POWER RELAY Board. 3. Replace a faulty cable or switch.

					3. Monitor circuit to check the door ON/OFF condition is broken.	 Check the following connection and soldering condition on each connector. A. CN5036 (POWER RELAY Board) to CN4005 (DRIVE Board) B. CN4001 (DRIVE Board) to CN1007 (CONTROL Board) Check the following parts soldering condition to repair it. A. DRIVE Board Q4007, R4001, D4001 B. CONTROL Board IC1024-120th pin Check the following signals. → +24VIL (D4001 Cathode): 24 V → DOOR1 (CN4001-34th pin): 0 V Replace faulty parts or boards.
F17 (GA-IMG SDRAM error)	87	xx	00	00	Access error to SDRAM (IC2018, IC2019, IC2020, IC2021) on the INTERFACE Board	 Check the soldering condition of the Gate Array (IC2047) on the INTERFACE Board to repair it. Check the soldering condition of the SDRAM (IC2018, IC2019, IC2020, IC2021) on the INTERFACE Board to repair it. Replace faulty parts or INTERFACE Board.
F18 (GA-IMG Additional SDRAM error)	88	00	00	00	Access error to an additional SDRAM attached to CN2007	 Check whether the additional SDRAM is attached to CN2007 properly. Or re-attach it. Check the SDRAM is one of the memories recommended by PCC Check the soldering condition of the Gate Array (IC2047) and its surrounding circuit on the INTERFACE Board to repair it. Check the soldering condition of the CN2007 (for the SDRAM) and its surrounding circuit on the INTERFACE Board to repair it. Replace faulty parts or INTERFACE Board.
F31 (Analogue IC Error)	95	00	00	00	Access error to Analogue IC	 Check the soldering condition of the IC1010 to IC1013 and its surrounding circuit on the CONTROL Board to repair it. Check the soldering condition of the IC1024 and its surrounding circuit on the CONTROL Board to repair it. Replace faulty parts or CONTROL Board.
F32 (SCSI IC Error)	96	00	00	00	Access error to SCSI Controller	Check the connection and soldering condition between CN2000 (INTERFACE Board) and CN1000 (CONTROL Board). Check the soldering condition of the SCSI Controller (IC2029) and surrounding circuit on the INTERFACE Board to repair it. Check the soldering condition of the Address Decoder (IC1032: especially 15th pin) and its surrounding circuit on the CONTROL Board to repair it. Replace faulty parts or boards (CONTROL or INTERFACE).
F33 (USB IC Error)	97	00	00	00	Access error to USB Controller	 Check the connection and soldering condition between CN2000 (INTERFACE Board) and CN1000 (CONTROL Board). Check the soldering condition of the USB Controller (IC2031) and its surrounding circuit on the INTERFACE Board to repair it. Check the soldering condition of the Address Decoder (IC1032: especially 14th pin) and its surrounding circuit on the CONTROL Board to repair it. Replace faulty parts or boards (CONTROL or INTERFACE).

F34 (EEPROM Error)	98	00	00	00	Access error to EEPROM	 Check the soldering condition of the EEPROM (IC1023) and its surrounding circuit on the CONTROL Board to repair it. Check the soldering condition of the CPU (IC1024: 113, 114, 115th pins) and its surrounding circuit on the CONTROL Board to repair it. Replace faulty parts or CONTROL Board.
F36 (GA-SEN (Front) SDRAM Error)	9A	xx	00	00	Access error to SDRAM (IC2006, IC2007, IC2008)	 Check the soldering condition of the Gate Array GA-SEN (IC2045) and its surrounding circuit on the INTERFACE Board to repair it. Check the soldering condition of the SDRAM (IC2006, IC2007, IC2008) and its surrounding circuit on the INTERFACE Board to repair it. Replace faulty parts or INTERFACE Board.
F37 (Overrun Error)	9B	01	xx	xx	Overrun error during image scanning process	Confirm the firmware version.
F38 (GA-SEN (Back) SDRAM Error)	9C	xx	00	00	Access error to SDRAM (IC2010, IC2011, IC2012)	 Check the soldering condition of the Gate Array GA-SEN (IC2046) and its surrounding circuit on the INTERFACE Board to repair it. Check the soldering condition of the SDRAM (IC2010, IC2011, IC2012) and its surrounding circuit on the INTERFACE Board to repair it. Replace faulty parts or INTERFACE Board.
F40 (Hopper Error)	30	00	00	00	Paper Feed Motor does not work properly.	 Check the hopper mechanism condition by carrying out Hopper Drive test. (See 9.3.6.) Check the following connection and soldering condition on each connector. A. Paper Feed Motor to CN5032 (POWER RELAY Board) B. CN5025 to CN5032 on the POWER RELAY Board Check the following signals CN5032-1, 4, 5, 7th pins See Fig.10.2.1 Replace faulty cables. Replace the Paper Feed Motor.
					Paper Feed Motor control circuit does not work properly.	 Check following connection and soldering condition on each connector. A. CN5025 (POWER RELAY Board) to CN4008 (DRIVE Board) B. CN4001 (DRIVE Board) to CN1007 (CONTROL Board) C. CN1000 (CONTROL Board) to CN2000 (INTERFACE Board) Check the soldering condition of IC4002 on DRIVE Board to repair it. Check the following signals on the DRIVE Board. A. IC4002-11th pin (CLK): See Fig. 10.2.2. B. IC4002-7th pin (VREF): 2.3 V or less C. IC4002-15th pin (ENABLE): 5 V (when executing Feed Motor test) Check the soldering condition of IC1038 on CONTROL Board to repair it. A. 11th pin (CLK) B. 2, 5, 6, 9, and 12th pins Replace faulty parts or boards.

F40 (Hopper Error)	30	00	00	00	3. Rotation from the Paper Feed Motor Gear is not transmitted to the hopper properly.	 Check the hopper mechanism condition by carrying out Hopper Drive test. (See 9.3.6.) Note: Hopper lift drive mechanism →See 6.3 and 6.4. Reassemble improper lay-out or replace faulty parts.
					4. Hopper Home Detector does not work correctly.	 Check the alignment of Hopper Home Detector and its actuator is proper. Execute Key / Sensor test in Sec.9.3.6 to check the sensor condition. Check the following connection and soldering condition on each connector. A. CN5007 (HOPPER HOME DETECTOR Board) to CN5018 (SENSOR RELAY Board) B. CN5022 (SENSOR RELAY Board) to CN1009 (CONTROL Board) Check the soldering condition of IC5007 and its surrounding circuit on the HOPPER HOME DETECTOR Board, and of IC1036 and its surrounding circuit on the CONTROL Board to repair it. Check the following signals. HOPPER_HOME signal (CN5007-3rd pin on the HOPPER HOME DETECTOR Board, IC1036-3rd pin on the CONTROL Board) → Approx. 3.3 V (when the actuator interrupts the detector) Replace faulty parts on boards.
F41 (Carriage Error)	31	00	00	00	Carriage mechanism does not work properly.	 Restart the scanner and check whether the carriage goes back to the home position. Execute Feed test (Flatbed mode) in Sec.9.3.6 to check the carriage mechanism. Check the carriage shaft is not distorted. Check the carriage belt tension and allocation. And adjust the tension, as required. (See 8.2.16.) Check whether rotation from the carriage motor s gear is transmitted to the carriage belt properly.
					2. Carriage Motor does not work properly.	 Check the carriage mechanism condition, by carrying out Feed test. (See 9.3.6.) Check the following connection and soldering condition on each connector. → Carriage Motor to CN4010 (DRIVE Board) Check the following signals. → CN4010-1, 4, 5, and 7th pins See Fig.10.2.6. (when executing Feed test (Flatbed mode)) Replace faulty cables. Replace the Carriage Motor.
F41 (Carriage Error)	31	00	00	00	3. Carriage Motor control circuit does not work properly.	 Check the following connection and soldering condition on each connector. A. CN4001 (DRIVE Board) to CN1007 (CONTROL Board) B. CN1000 (CONTROL Board) to CN2000 (INTERFACE Board) Check the soldering condition of the IC4003 and its surrounding circuit on the DRIVE Board. Check the following signals on the DRIVE Board. A. IC4003-11th pin (CLK): See Fig.10.2.7. (when executing Feed test (Flatbed mode)) B. IC4003-7th pin (VREF): 2.3 V or less C. IC4003-15th pin (ENABLE): 5 V (when executing Feed test (Flatbed mode)) Check the soldering condition of IC1040 and its surrounding circuit on the CONTROL Board to repair it. Check the soldering condition of the following signals on the CONTROL Board A. IC1040-11th pin (CLK) B. IC1040-2, 5, 6, 9, and 12th pins Check the soldering condition of IC2045-225th pin on the INTERFACE Board. Replace faulty parts or boards.

					4. Carriage Home Detector does not work correctly.	 Check the alignment of the Carriage Home Detector and its actuator is proper. Execute Key / Sensor test in Sec. 9.3.6 to check the sensor condition. Check the following connection and soldering condition of each connector. A. CN5035 (CARRIAGE HOME DETECTOR Board) to CN1010 (CONTROL Board) Check the soldering condition of IC5019 and its surrounding circuit on the CARRIAGE HOME DETECTOR Board to repair it. Check the following signals. CAHOME signal (CN5035-2nd pin on the CARRIAGE HOME DETECTOR Board, IC1035-7th pin on the CONTROL Board) Approx. 3 V (when the actuator interrupts the detector) Replace faulty parts or boards.
F50 (Waiting Sensor adjustment error)	40	00	00	00	Paper dust exist on or around the Waiting Sensor.	Blow off the dirt with the accessory blower. (See 7.2.) Execute Key / Sensor and Sensor Sensitive Level tests in Sec.9.3.6 to check the sensor condition.
					2. Waiting Sensor does not work correctly.	 Execute Key / Sensor and Sensor Sensitive Level tests in Sec.9.3.6 to check the sensor condition. Check whether the sensor alignment is proper (whether the sensor direction faces to its reflector.) Check the following connection and soldering condition on each connector. A. CN5006 (WAITING SENSOR Board) to CN5002 (OUTER CONVEYOR RELAY Board) B. CN5004 (OUTER CONVEYOR RELAY Board) to CN1014 (CONTROL Board) Check the following signals. A. STBY signal (CN5006-2nd pin, CN5004-9th pin) → 1.5 V or less (when none exists on the Waiting Sensor) B. Check the reference signal for the STBY signal on the CONTROL Board. IC1014-2nd pin: 1.5 V or less IC1016-5th pin: Approx. 1.5 V C. Check comparator output signal.
51 tarting Sensor adjustment ror)	41	00	00	00	Paper dust exist on or around the Starting Sensor.	Blow off the dirt with the accessory blower. (See 7.2.) Execute Key / Sensor and Sensor Sensitive Level tests in Sec.9.3.6 to check the sensor condition.
					Starting Sensor does not work correctly.	 Execute Key / Sensor and Sensor Sensitive Level tests in Sec.9.3.6 to check the sensor condition. Check whether the sensor alignment is proper (whether the sensor direction faces to its reflector.) Check the following connection and soldering condition on each connector. A. CN5012 (STARTING SENSOR Board) to CN5017 (SENSOR RELAY Board) B. CN5022 (SENSOR RELAY Board) to CN1009 (CONTROL Board) Check the following signals. A. PHEAD signal (CN5012-3rd pin, CN5017-3rd pin, CN5022-10th pin) → 1.5 V or less (when none exists on the Waiting Sensor) B. Check the reference signals for the PHEAD signal on the CONTROL Board. → IC1014-9th pin: 1.5 V or less (After initializing) → IC1016-9th pin: Approx. 1.5 V C. Check comparator output signal. → IC1016-14th pin: 3.3 V (when no paper exists) Replace faulty parts or boards.

F52 (Skew (R) Sensor adjustment error)	42	00	00	00	Paper dust exist on or around a Skew Sensor.	Blow off the dirt on the surface of the sensor with the accessory blower. (See 7.2.) Execute Key / Sensor and Sensor Sensitive Level tests in Sec.9.3.6 to check the sensor condition.
					2. The Skew (R) Sensor does not work properly.	 Execute Key / Sensor and Sensor Sensitive Level tests in Sec.9.3.6 to check the sensor condition. Check whether the sensor alignment is proper (whether the sensor direction faces to its reflector.) Check the following connection and soldering condition on each connector. A. CN5012 (STARTING SENSOR Board) to CN5017 (SENSOR RELAY Board) B. CN5022 (SENSOR RELAY Board) to CN1009 (CONTROL Board) Check the following signals. A. SKEWR signal (CN5012-2nd pin, CN5017-2nd pin, CN5022-8th pin, CN1009-15th pin) → 1.5 V or less (when none exists on the Waiting Sensor) B. Check the reference signals for the SKEWR signal on the CONTROL Board. → IC1015-2nd pin: 1.5 V or less (After initializing) → IC1017-5th pin: Approx. 1.5 V C Check comparator output signal. → IC1017-2nd pin: 3.3 V (when no paper exists) Replace faulty parts or boards.
F53 (Skew (L) Sensor adjustment error)	43	00	00	00	Paper dust exist on or around a Skew Sensor.	Blow off the dirt on the surface of the sensor with the accessory blower. (See 7.2.) Execute Key / Sensor and Sensor Sensitive Level tests in Sec.9.3.6 to check the sensor condition.
					2. The Skew (L) Sensor does not work correctly.	 Execute Key / Sensor and Sensor Sensitive Level tests in Sec.9.3.6 to check the sensor condition. Check whether the sensor alignment is proper (whether the sensor direction faces to its reflector.) Check the following connection and soldering condition on each connector. A. CN5012 (STARTING SENSOR Board) to CN5017 (SENSOR RELAY Board) B. CN5022 (SENSOR RELAY Board) to CN1009 (CONTROL Board) Check the following signals. A. SKEWL signal (CN5012-4th pin, CN5017-4th pin, CN5022-9th pin, CN1009-14th pin) → 1.5 V or less (when none exists on the Waiting Sensor) B. Check the reference signals for the SKEWL signal on the CONTROL Board. → IC1015-9th pin: 1.5 V or less (After initializing) → IC1017-9th pin: Approx. 1.5 V C. Check comparator output signal. → IC1017-14th pin: 3.3 V (when no paper exists) Replace faulty parts or boards.
F55 (Ending Sensor adjustment error)	45	00	00	00	Paper dust exist on or around the Ending Sensor.	Blow off the dirt with the accessory blower. (See 7.2.) Execute Key / Sensor and Sensor Sensitive Level tests in Sec.9.3.6 to check the sensor condition.

					2. Ending Sensor does not work correctly.	 Execute Key / Sensor and Sensor Sensitive Level tests in Sec.9.3.6 to check the sensor condition. Check whether the sensor alignment is proper (whether the sensor direction faces to its reflector.) Check the following connection and soldering condition on each connector. A. CN5015 (ENDING SENSOR Board) to CN5016 (SENSOR RELAY Board) B. CN5022 (SENSOR RELAY Board) to CN1009 (CONTROL Board) Check the following signals. A. PEXIT signal (CN5015-2nd pin, CN5016-2nd pin, CN5022-7th pin, CN1009-16th pin) → 1.5 V or less (when none exists on the Ending Sensor) B. Check the reference signals for the PEXIT signal on the CONTROL Board. → IC1015-6th pin: 1.5 V or less (After initializing) → IC1017-7th pin: Approx. 1.5 V C. Check comparator output signal. → IC1017-1st pin: 3.3 V (when no paper exists) Replace faulty parts or boards.
F60	50	00	00	00	1. ADF Glass (F) is dirty.	Clean the glass surface. (See 7.2.)
(Front side gain adjustment error)					CIS (F) lamp does not light. 3. Pixel data from CIS (F) or image processing circuit have some problems.	 Execute CIS Level test in Sec.9.3.6 to check the peak level. Check the following connection and soldering condition on each connector. A. CIS (F) to Lamp Drive B. Lamp Drive to CN3000 (CARRIAGE RELAY Board) C. CN3002 (CARRIAGE RELAY Board) to CN1015 (CONTROL Board) Check the lamp control signals to the CIS (F) CN3000-1st pin: 24 V CN3000-2nd pin: 5 V (when lamp is ON) Replace faulty parts or boards. Check the following connection and soldering condition on each connector.

F61 (Front side black level error)	51	00	00	00	Pixel data from CIS (F) or image processing circuit have some problems.	 Check the following connection and soldering condition on each connector. A. CIS (F) to CN3003 (CARRIAGE RELAY Board) B. CN3001 (CARRIAGE RELAY Board) to CN1003 (CONTROL Board) C. CN1000 (CONTROL Board) to CN2000 (INTERFACE Board) Check the following CIS timing signals on the CARRIAGE RELAY Board are normal. CN3003-35th pin: 5 MHz CN3003-33rd pin: 5 MHz Check the soldering condition of the IC1010, IC1011, IC1024, and their surrounding circuit on the CONTROL Board. Check the soldering condition of the IC1008, IC1009, and their surrounding circuit on the CONTROL Board. Check the soldering condition of the IC2045 and its surrounding circuit of the INTERFACE Board. Replace faulty parts or boards.
F62	52	00	00	00	1. ADF Glass (B) is dirty.	Clean the glass surface. (See 7.2.)
(Back side gain adjustment error)					2. CIS (B) lamp does not light.	 Execute CIS Level test in Sec.9.3.6 to check the peak level. Check the following connection and soldering condition on each connector. A. CIS (B) to Lamp Drive B. Lamp Drive to CN5029 (POWER RELAY Board) C. CN5036 (POWER RELAY Board) to CN4005 (DRIVE Board) D. CN5025 (POWER RELAY Board) to CN4008 (DRIVE Board) E. CN4001 (DRIVE Board) to CN1007 (CONTROL Board) F. CN4003 (DRIVE Board) to CN802 (POWER Board) Check the lamp control signals to the CIS (B) CN5029-1st pin: 24 V CN5029-2nd pin: 5 V (when lamp is ON) Replace faulty parts or boards.
					3. Pixel data from CIS (B) or image processing circuit have some problems.	 Check the following connection and soldering condition on each connector. A. CIS (B) to CN3006 (CIS RELAY Board) B. CN3005 (CIS RELAY Board) to CN1002 (CONTROL Board) C. CN3004 (CIS RELAY Board) to CN1001 (CONTROL Board) D. CN1000 (CONTROL Board) to CN2000 (INTERFACE Board) Check the following CIS timing signals are normal. CN3006-6th pin: 5 MHz CN3006-8th pin: 5 MHz Check the soldering condition of the IC1012, IC1013, IC1024, and their surrounding circuit on the CONTROL Board. Check the soldering condition of the IC1006, IC1007, and their surrounding circuit on the CONTROL Board Check the soldering condition of the IC2046 and its surrounding circuit on the INTERFACE Board. Replace faulty parts or boards.

F63 (Back side black level error)	53	00	00	00	Pixel data from CIS (B) or image processing circuit have some problems.	 Check the following connection and soldering condition on each connector. A. CIS (B) to CN3006 (CIS RELAY Board) B. CN3005 (CIS RELAY Board) to CN1002 (CONTROL Board) C. CN3004 (CIS RELAY Board) to CN1001 (CONTROL Board) D. CN1000 (CONTROL Board) to CN2000 (INTERFACE Board) Check the following CIS timing signals are normal. → CN3006-6th pin: 5 MHz → CN3006-8th pin: 5 MHz Check the soldering condition of the IC1012, IC1013, IC1024, and their surrounding circuit on the CONTROL Board. Check the soldering condition of the IC1006, IC1007, and their surrounding circuit on the CONTROL Board. Check the soldering condition of the IC2046 and its surrounding circuit on the INTERFACE Board. Replace faulty parts or boards.
F80 (Double Feed Detector adjustment error)	60	00	00	00	Double Feed Detector (G) does not work properly.	 Execute Double Feed test in Sec.9.3.6 to check the detector condition. Check whether the generator alignment is proper. Check the following connection and soldering condition on each connector. A. Double Feed Detector (G) to CN5021 (SENSOR RELAY Board) B. CN5022 (SENSOR RELAY Board) to CN1009 (CONTROL Board) Check the following parts soldering condition to repair it. A. CONTROL Board IC1024 (43, 44, 45th pins), IC1018 B. SENSOR RELAY Board IC5017, Q5016, Q5017, Q5020, Q5022, Q5023, Q5024, and the surrounding circuit Check the following signals. A. DC 24 V signal (CN5022-6th pin) B. JS_CLK (CN5022-3rd pin) → 200 kHz C. USOUND_S1 (CN5021-1st pin) → 200 kHz Replace faulty parts or boards.
					Double Feed Detector (R) does not work properly.	 Execute Double Feed test in Sec.9.3.6 to check the detector condition. Check whether the receiver alignment is proper. Check the following connection and soldering condition on each connector. A. Double Feed Detector (R) to CN5001 (OUTER CONVEYOR RELAY Board) B. CN5004 (OUTER CONVEYOR RELAY Board) to CN1014 (CONTROL Board) Check the following parts soldering condition to repair it. A. CONTROL Board IC1024 (117th pin) B. OUTER CONVEYOR RELAY Board IC5002, IC5004, Q5002, Q5003, and the surround circuit Check the following signals on the OUTER CONVEYOR RELAY Board. A. IC5002-7th pin: DC12 V B. IC5004-7th pin) → See Fig.10.2.5 Replace faulty parts or boards.

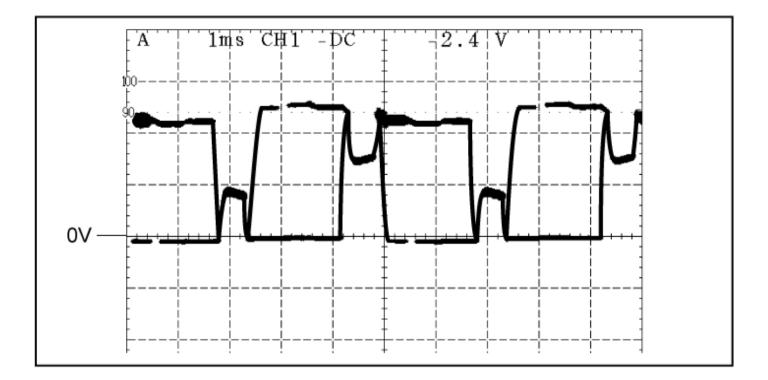


Fig.10.2.2

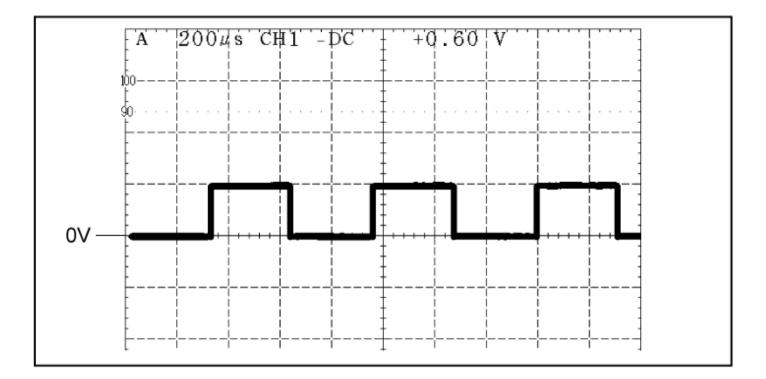


Fig.10.2.3

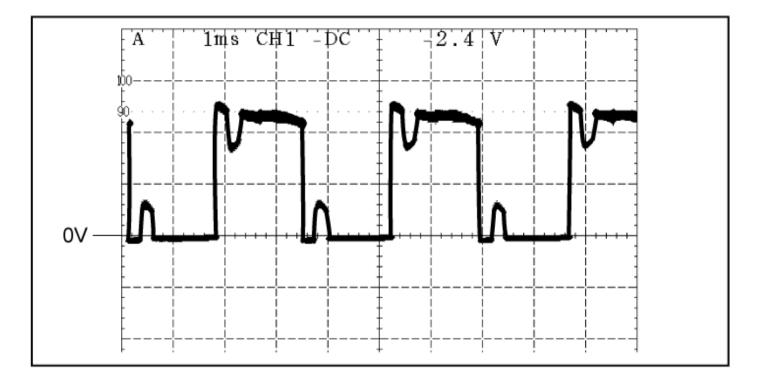


Fig.10.2.4

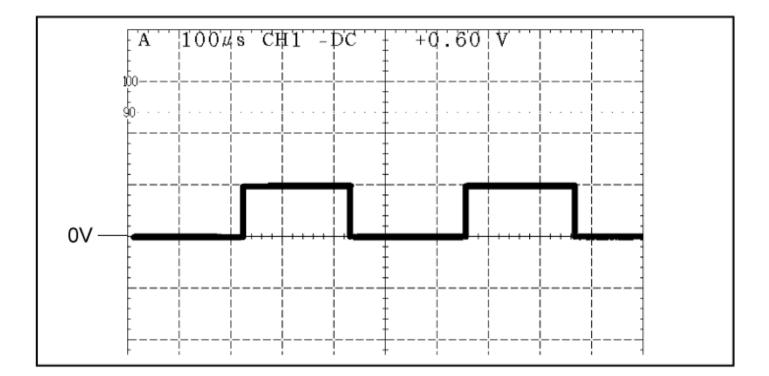


Fig.10.2.5

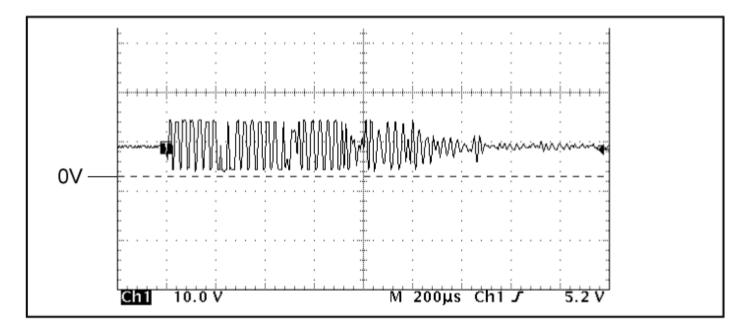


Fig.10.2.6

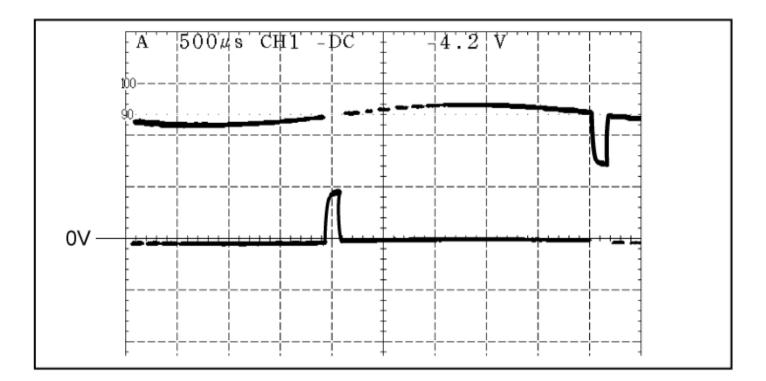
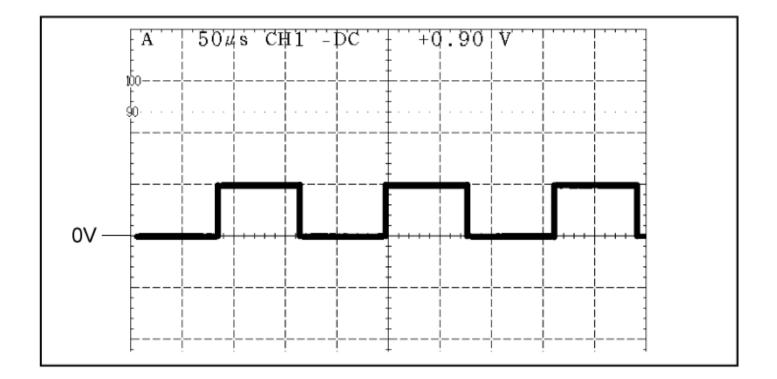


Fig.10.2.7



10.3 Requirement After Parts Replacement

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Following adjustments are required when a circuit board assembly or part is replaced.

Replaced circuit board assembly part	or	Required adjustment		
CONTROL Board		 Adjust Shading . Adjust All Position . Adjust Individual Position manually as required. 		
STARTING SENSOR Board	*1	Adjust Front V. Position and Back V. Position and Length in Individual Position or adjust All Position .		
CIS (F) and Lamp Drive Board	*1	 Adjust Shading . Adjust All Position or the following adjustment should be needed. Adjust Front V. Position in Individual Position . Adjust Front H. Position in Individual Position . 		
CIS (B) and Lamp Drive Board	*1	 Adjust Shading . Adjust All Position or the following adjustment should be needed. Adjust Back V. Position in Individual Position . B. Adjust Back H. Position in Individual Position . 		
Reference Plate (F)		1. Adjust Shading .		
Reference Plate (B)		1. Adjust Shading .		
Drive Roller	*1	Adjust Length in Individual Position or adjust All Position .		
Exit Roller	*1	Adjust Length in Individual Position or adjust All Position .		

Others (When assembling or disassembling parts which will affect the scanning positions.)	*1	Adjust the following adjustment or All Position . A. Adjust Front V. Position in Individual Position . B. Adjust Front H. Position in Individual Position . C. Adjust Back V. Position in Individual Position . D. Adjust Back H. Position in Individual Position .
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Note:

*1When All Position is done, even the setting values except for the value set in the Individual Position will be renewed.

11 CIRCUIT DESCRIPTION

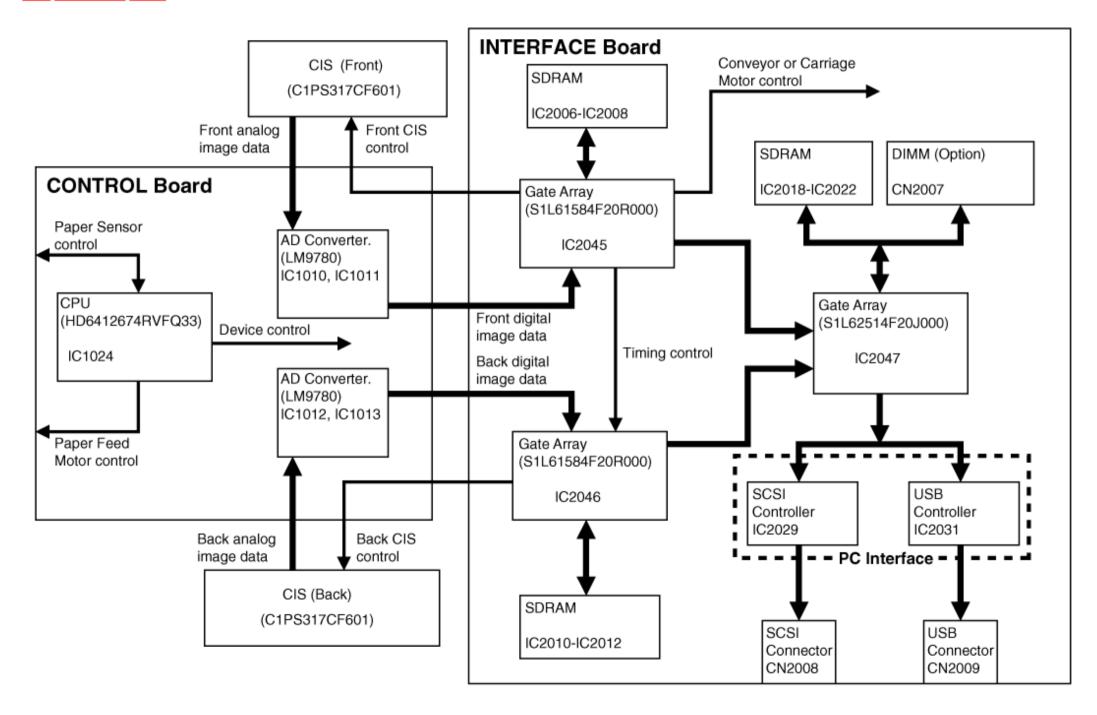
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11.1 Block Diagram-1 (Image Processing)

11.2 Block Diagram-2 (Board)

11.3 Explanation of Connector

11.1 Block Diagram-1 (Image Processing)



On this system, CPU (IC1024) controls the operation for Interface Controllers (SCSI, USB), Gate Arrays (IC2045, IC2046, IC2047), Sensors (Paper Sensor and others), Motors (Paper Feed, Conveyor, Carriage)

Motor pulse signals for the paper feed scanning on the ADF mode are provided from the CPU (IC1024), directly.

On the other hand, motor pulse signals for conveying paper on the ADF mode and for the carriage operation to scan paper on the Flatbed are provided from the Gate Array (IC2045).

This scanner has 2 CISs (CIS (Front), CIS (Back)) to scan image signals for front and back sides respectively.

Both of them are used for duplex scanning on the ADF mode. (When scanning on the Flatbed, only a CIS (Front) is available)

The Gate Array (IC2045) works as the controller of CIS (Front) and AD converters (IC1010, IC1011) to preprocess the front image data.

And the Gate Array (IC2046) works as the controller of CIS (Back) and AD converters (IC1012, IC1013) to preprocess the back image data.

After finishing this, the Gate Array (IC2047) postprocesses data from the Gate Arrays (IC2045 and IC2046) respectively to be binary or compressed data, and to be sent to PC via PC Interface (USB or SCSI).

Image processing is as follows.

(Image Processing)

1. At first, according to the Front CIS control signal from the Gate Array (IC2045), analog pixel data are transmitted from the CIS (Front) to the AD Converter (IC1010, IC1011).

And also according to Back CIS control signal from the Gate Array (IC2046), analog pixel data are transmitted from the CIS (Back) to the AD Converter (IC1012, IC1013).

- 2. The AD Converters (IC1010, IC1011) and (IC1012, IC1013) convert the analog pixel data to the digital, respectively.
- 3. The digital data on the front side are transmitted to the Gate Array (IC2045).

The Gate Array (IC2045) enforces shading correction, line correction, and Dpi transformation upon the data, using SDRAM (IC2006, IC2007, IC2008).

And the corrected data are transmitted to the Gate Array (IC2047).

In parallel, to the back side data from AD Converters (IC1012, IC1013), the Gate Array (IC2046) enforces shading correction, line correction, and Dpi transformation upon the data, using SDRAM (IC2010, IC2011, IC2012).

And the corrected data are transmitted to the Gate Array (IC2047).

4. To the above front and back sides data, the Gate Array (IC2047) performs binary processing (simple binary, auto binary, dither, error diffusion), color, or gray scale image processing (MTF, MoirΘ Reduction and others), andmemorizes the processed data into SDRAM (IC2018, IC2019, IC2021, and IC2022) and/or DIMM

(mounted to CN2007 additionally, as required).

5. After executing compression process (Binary: MH, MR, or MMR / Color or Gray-scale: JPEG) to the stored data in the SDRAM (IC2018 to IC2022) according to the command from PC, the data are transmitted to PC via PC Interface (SCSI Controller(IC2029) or USB (IC2031)).

11.2 Block Diagram-2 (Board)

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11.3 Explanation of Connector

12 CIRCUIT BOARDS

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Note: Distinction of PbF PCB

PCBs (manufactured) using lead free solder will have a PbF stamp on the PCB.

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12.1 CONTROL Board

12.2 INTERFACE Board

12.3 DRIVE Board

12.4 CARRIAGE RELAY Board

12.5 CIS RELAY Board

12.6 OUTER CONVEYOR RELAY Board

12.7 WAITING SENSOR Board

12.8 ENDING SENSOR Board

12.9 HOPPER HOME DETECTOR Board

12.10 SIZE DETECTOR Board

12.11 STARTING SENSOR Board

12.12 HOPPER RELAY Board

12.13 SENSOR RELAY Board

12.14 POWER RELAY Board

12.12 HOPPER RELAY Board

12.13 SENSOR RELAY Board

12.14 POWER RELAY Board

12.15 PANEL Board

12.16 DOCUMENT COVER DETECTOR Board

12.17 CARRIAGE HOME DETECTOR Board

12.10 SIZE DETECTOR Board

12.11 STARTING SENSOR Board

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12.18 POWER Board

12.1 CONTROL Board

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12.1.1 Front Side

12.1.2 Back Side

12.1.1 Front Side

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12.1.2 Back Side

TOP PREVIOUS NEXT

12.2 INTERFACE Board

TOP PREVIOUS NEXT

12.2.1 Front Side

12.2.2 Back Side

12.2.1 Front Side

TOP PREVIOUS NEXT

12.2.2 Back Side

TOP PREVIOUS NEXT

12.3 DRIVE Board

TOP PREVIOUS NEXT

12.4 CARRIAGE RELAY Board

TOP PREVIOUS NEXT

12.4.1 Front Side

12.4.2 Back Side

12.4.1 Front Side

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12.4.2 Back Side

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12.5 CIS RELAY Board

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12.5.1 Front Side

12.5.2 Back Side

12.5.1 Front Side

TOP PREVIOUS NEXT

12.5.2 Back Side

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12.6 OUTER CONVEYOR RELAY Board

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12.8 ENDING SENSOR Board

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12.11 STARTING SENSOR Board

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12.14 POWER RELAY Board

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12.15 PANEL Board

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12.16 DOCUMENT COVER DETECTOR Board

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12.17 CARRIAGE HOME DETECTOR Board

TOP PREVIOUS NEXT

12.18 POWER Board

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IMPORTANT SAFETY NOTICE

Components identified by \(\frac{1}{2} \) mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.

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13.5 RELAY, SENSOR, and PANEL Boards

13.6 POWER Board



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13.3 DRIVE Board

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13.4 CARRIAGE RELAY and CIS RELAY Boards

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13.5 RELAY, SENSOR, and PANEL Boards

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13.6 POWER Board

TOP PREVIOUS NEXT

14 PARTS LOCATION AND MECHANICAL PARTS LIST

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IMPORTANT SAFETY NOTICE

Components identified by \(\frac{1}{2} \) mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.

Note: RTL (Retention Time Limited)

The mark (RTL) indicates that the Retention Time is limited for this item. After the discontinuations of this assembly in production, the item will continue to be available for a specific period of time. The retention period of availabilityis dependent on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.

Note: TSCA (Toxic Substance Control Act)

The marking (TSCA) in the Remark column indicates that the part shown in the column consist of the substances which are included in TSCA inventory.

Note: PbF (Pb Free)

PbF in the Remark column means Pb Free solder is used to assemble parts on the PCB assembly.

14.1 Exterior

14.2 ADF (Outer)

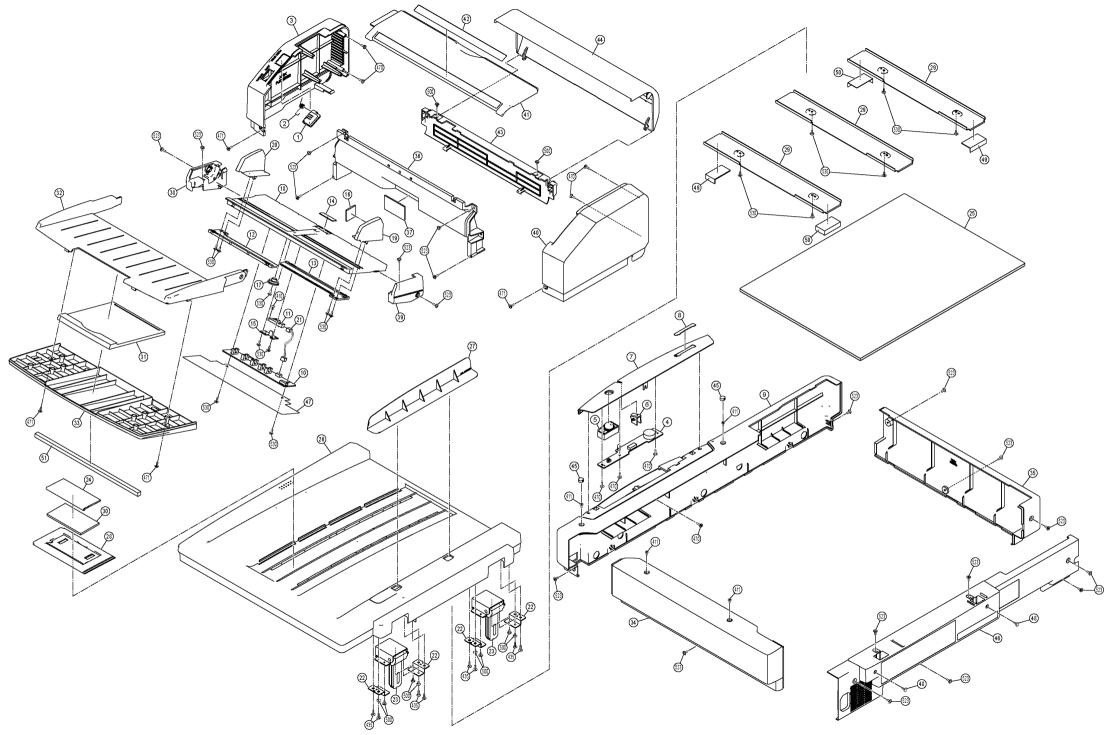
14.3 ADF (Inner)

14.4 Flatbed

14.5 Board Assembly & Power Unit

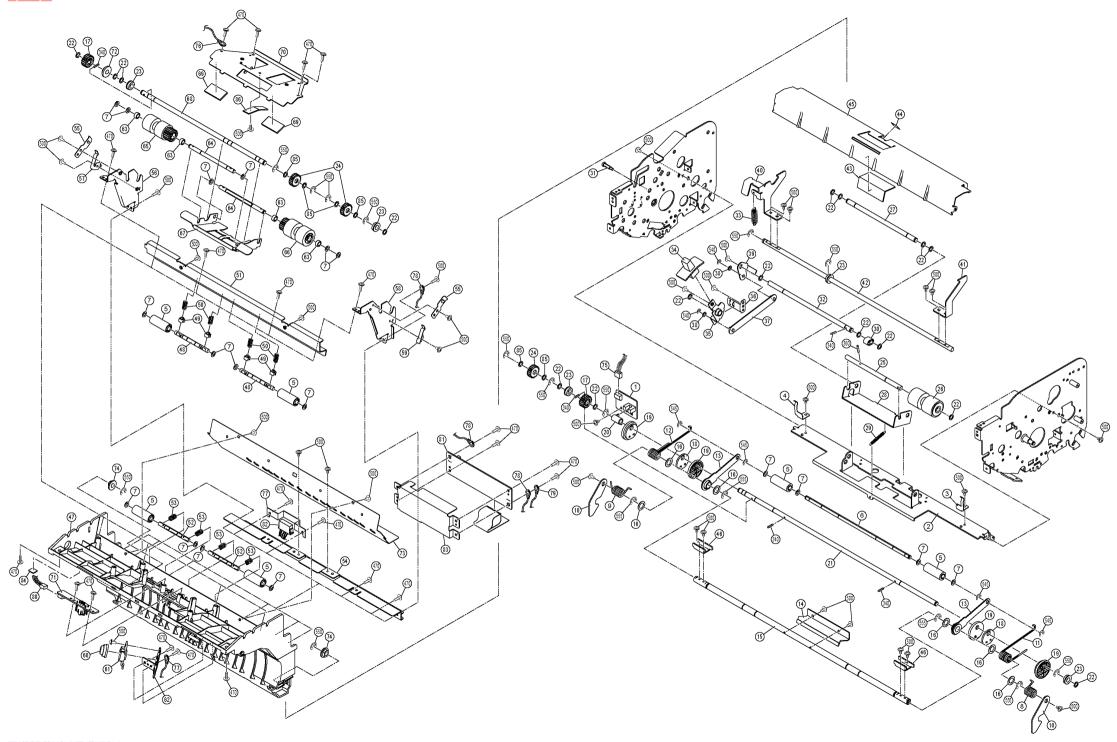
14.6 Packing

14.7 Tool

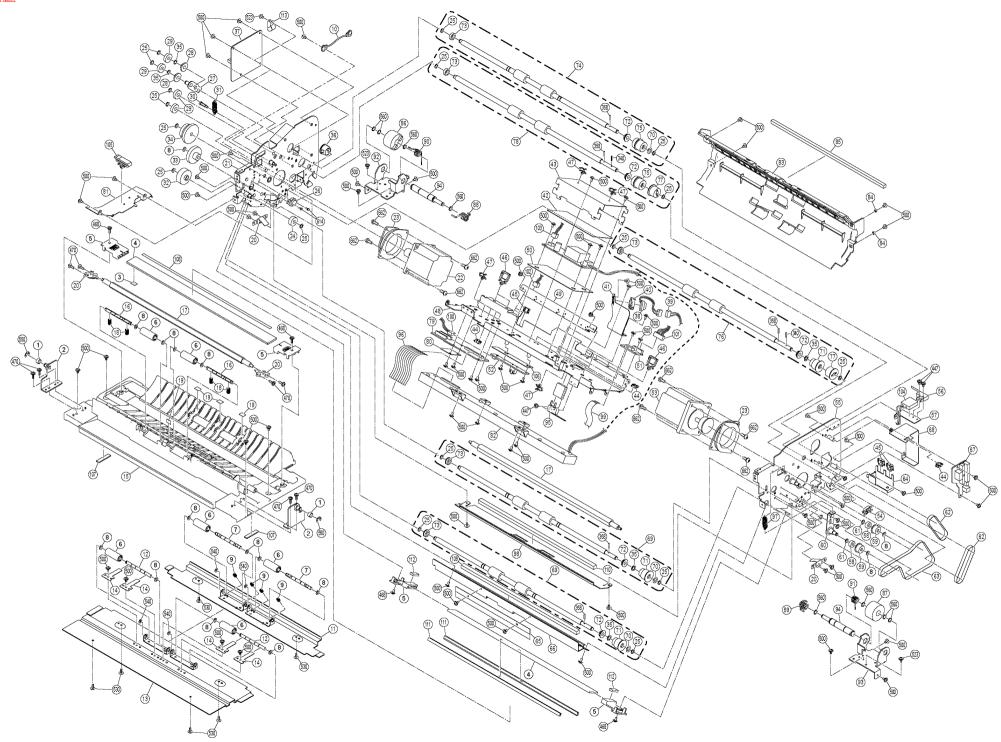


TOP PREVIOUS NEXT		

			_
-	PJDSB0225Z	Spring	
-	PJKEB0103Z PPB723ADF05A	ADF Cover (F)	ISO: PS
-			
-	PJBCB0007Z	STARTISTOP Button	IS0: PS
-	PJBEB0004Z		ISO: ABS
-	PJGPB0010Z PR40CR	FB Front Panel	150: PS
-		Batch	
-	PJKEB0104Z	Front Cover	ISO: PS
	PPB723ADF05L	SIZE DETECTOR Board	(RTL) PbF
	GP2A25	Photo Interrupter (Paper Sensor)	
-	PBDGA0044Z	Document Guide Rack (L.)	
-	PBDGA0045Z	Document Guide Rack (R)	
-	PBHEA0049Z	Document Fixing Pad 2	
_	PBMDA0573Z	Plate	
-	PBQAA0742Z	Label	
	PJDG50133Z-1	Pinion	
	PJHRB0667Z	Hopper Plate	ISO: ABS
	PJHRB0674Z	Document Guide B	ISO: ABS
_	PJHRB0675Z	Document Guide F	ISO: ABS
-	PJJRB1023Z	Cable	
	PJMDA0089Z	Hinge Bracket	
- 1	PJNEA0017W	Hinge	
	PBHRA0186Z	Exit Sub Stopper	
-	PJHEB0098Z	Flatbed Sheet	
-	PJHRB0660Z	Document Cover	ISO: PS
27	PJHRB0669Z	Back Stopper	ISO: PS
_	PJHRB0670Z	Exit Stopper Base	ISO: ABS
-	PJMDB0295Z	FB Standard Sheet Plate	
	PJHEC0001Z	Stopper Pad	
	PBKMA0049Z	Hopper Extension Tray	
_	PJHRB0665Z	Hopper Tray (Upper)	ISO: ABS
_	PJHRB0666Z	Hopper Tray (Lower)	ISO: ABS
	PJKEB0099Z	Side Cover (R)	ISO: PS
	PJKEB0100Z	Side Cover (L)	ISO: PS
_	PJKEB0108Z	Hopper Base	ISO: PS
-	PBQAA0839Z	PULL OPEN Label	
-	PJHRB0661Z	Hopper Front Cover	ISO: PS
	PJHRB0663Z	Hopper Back Cover	ISO: PS
_	PJKEB0102Z	ADF Cover	ISO: PS
	PJKEB0105Z	Top Cover	ISO: PS
	PJGFC0002Z	Paper Size Label	
	PJKEB0106Z	ADF Side Cover	180: PS
	PJKEB0107Z	Imprinter Door	ISO: PS
-	PJKPC0001Z	Screw Cap	ISO: ABS
	PJKEB0101Z	Back Cover	180: PS
_	PJMXC0001Z	Hopper Sheet	
-	NRP-480	Rivet	
-	PJHEC0025Z	Sheet Guide A	
_	PJHEC0026Z	Sheet Guide B	
	PJHEC0011Z	Hopper Rubber	
	XTB3+6FFX	Screw	
	XTB3+6FFY	Screw	
	XTN3+14GFX	Screw	
	XTW3+U10PFX	Screw	
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	XTW3+U6LFX	Screw	
	XTW3+U8LFY	Screw	
520	XTW3+U8PFX	Screw	



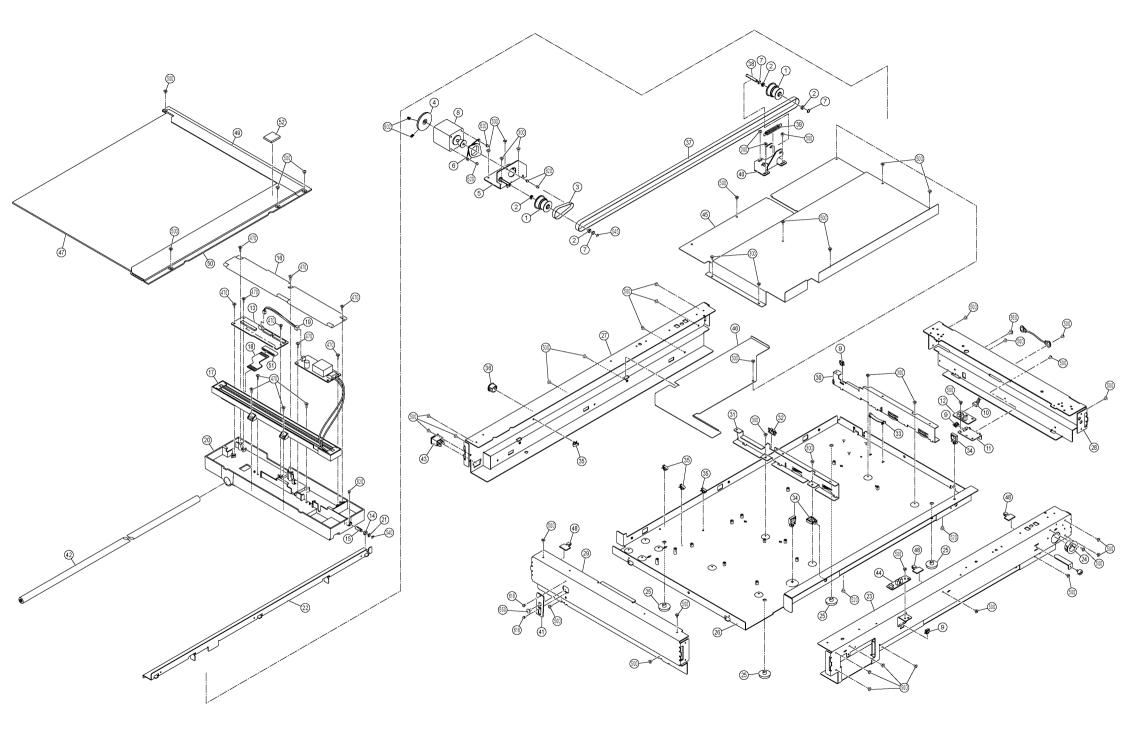
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6	PJDFB0169Z	Hopper Press Shaft	ISO: PO
7	PJNW4111Z	Spacer	ISO: PA
-	PBDSA0127Z	Lever Spring	
2	PBDSA0128Z	Lever Spring	
10	PBULA0151Z	Lock Lever	
11	PJDS80218Z	Hopper Spring B Hopper Spring F	
12	PJDS80219Z	Hopper Spring F	
13	PJMEB0077Z PJUBB0002Z	Hopper Press Plate Ass y Rock Release Plate	
14 15	PJUBB0002Z PJUGB0002Z	Rock Release Plate Inner Cover Fulcrum Shaft	
15	PJUGB00022 RWPS8-050	Inner Cover Fulcrum Shaft Polysider	
17	PBDGA0038Z	Retard Gear	ISO: PO
18	PBDGA0068Z	Hopper Cam	ISO: PO
19	PBDGA0069Z	Hopper Cam Fringe	ISO: PO
20	PBHRA0023Z	Hopper Cam Shutter Hopper Cam Shaft	ISO: AB
21	PJDFB0170Z	Hopper Cam Shaft	
22	PJNW525Z B-F6-171	Spacer Bearing	ISO: PA
23 24	PBDGA0013Z	Paper Feed Gear	
25	PJDFB0175Z	Paper Feed Gear Retard Shaft	
25	PJDRB0098Z	Retard Roller	
27	PJDFB0171Z	Retard Support Shaft	
28	PJMEB0081Z	Retard Plate	
22	PJDS80220Z	Retard Spring	
30	PBDGA0056Z	Hopper Powerful Cem	
31	PBHDA0001Z PJDER01747A	Screw	
32	PJDFB0174ZA PJDRB0162Z	Link Shaft Tension Spring	_
32 34	PJDSB0162Z PBBSA0002Z	Retard Cancel Lever	
25	PJMEB0086Z	Retard Cancel Lever Retard Release Plate Ass y	
26	PBUSA0046Z	Retard Change Spring	
37	PJMEB0083Z	I INK niste 2.4se v	
38	RWPS4-050		
32	PJMEB0082Z PJMEB0085Z	LINK Plate 1	
40 41	PJMEB0065Z PJMEB0066Z	Outer Cover Lever F Outer Cover Lever B	
21	PJUGB0003Z	Outer Cover Shaft	
42	PJULC0005Z	Retard Metal Sheet	
#	PJHEC0010Z	Reflect Sheet 2	ISO: PC
45	PJMEB0073Z	Retard Cover 1-Ass y	
45	PBULA0147Z	Lock Stopper	
47	PJUAB0038Z-J PJDFB0164Z	Outer Conveyor Ass y Free Roller Shaft 1	190: AB
46	PJDFB0164Z PJDJA0016Z	Free Roter Shaft 1 Roller Bear	ISO: PO
50	PJDS80217Z	Free Roller Spring 1	ISO: PO
51	PJULB0023Z	Free Roller Pressure Stay	
52	PJDFB0165Z	Free Roller Shaft 2	
53	PBDSA0036Y	Free Roter Spring	
54	PJULB0027Z	Support Plate	
55	PBUSA0047Z PJMDB0296Z	Imprinter Door Lock Spring Imprinter Stay F	
95 5Z	PJMDB0296Z PJUSB0099Z	Imprinter Stay P Imprinter Lock Spring	
58	PJMDB0297Z	Imprinter Stay B	
52	PJUSB0100Z	Imprinter Lock Spring	
60	L2FA00000005	SENSOR Unit (Double Feed Detector)	
61	PJHR80673Z	Double Feed Spacer	ISO: AB
62	PJMDB0273Z	Double Feed Stay 2	
63	B-S5-41	Roller Bear	
64 65	PJDFB0168Z PJDRB0097Z	Roller Shaft Feed Roller	
85	PJDRB0097Z PJDRB0101Z	Feed Roller Separation Roller	
67	PJMDB0298Z	Roller Holder	
68	PJDFB0172Z	Briller Drive Shaft	
92	PJHEB0109Z	Roller Holder Hold Magnet Roller Drive Shaft Stay	
72	PJMDB0312Z	Roller Drive Shaft Stay	
71	PPB723ADF05G	WAITING SENSOR Board Paper Feed Pitch Roller	(RTL) PI
72	PJHRB0530Z PJULB0024Z	Paper Feed Pitch Roller Imprinter Steel Sheet	iso: Po
	B-F6-270	Bearing	-
74		Cable	
75	PJJRB1004Z		
75 76	PJJRB1004Z PJJTB0041Z	Grand Cable	
75 75 77	PJJTB0041Z PJMCC0016Z	Grand Cable Connector Shield Cover	
75 76	PJJTB0041Z PJMCC0016Z PJJTB0042Z	Grand Cable Connector Shield Cover Grand Cable	
75 76 77 78	PJJTB0041Z PJMCC0016Z PJJTB0042Z PJJTB0044Z	Grand Cable Connector Shield Cover Grand Cable Grand Cable	
75 76 77 78 78 79	PJJTB0041Z PJMCC0016Z PJJTB0042Z PJJTB0044Z PJJRB1001Z	Crand Cable Connector Shield Cover Grand Cable Grand Cable Cable Cable	an i e
75 75 77 78 72 72 82 81	PJJTB0041Z PJMCC0016Z PJJTB0042Z PJJTB0044Z PJJRB1001Z PPB723ADF05F	Grand Cable Connector Shield Cover Grand Cable Grand Cable	(RTL) PI
75 76 72 78 78 79 80 81 82	PJJTB0041Z PJMCC0016Z PJJTB0042Z PJJTB0044Z PJJRB1001Z PPB723ADF05F PJJRB1014Z	Grand Cable Connector Shield Cover Grand Cable Grand Cable Cable Cable OUTER CONVEYOR RELAY Board Cable	(RTL) PI
75 75 77 78 72 72 82 81	PJJT800412 PJMCC00162 PJJT800422 PJJT800442 PJJRB10012 PPB723ADF05F PJJRB10142 PJMCB01002 PJGFC00042	Grand Cable Connector Shield Cover Grand Cable Grand Cable Cubble DUTER CONNEYOR RELAY Board Cable Outer Shield Plate Report S	(RTL) PI
75 76 72 78 78 79 80 81 82	PJJT80041Z PJMCC0016Z PJJT80042Z PJJT80044Z PJJR81001Z PPB723ADF05F PJJR81014Z PJMC80100Z PJGFC0004Z RWP98-025	Grand Cable Connector Shield Cover Connector Shield Cover Grand Cable Grand Cable Outer Conveyor RELAY Board Cable Outer Shield Plate Roller Exchange Label Seacer	(RTL) PI
75 75 76 72 78 79 82 81 82 82 83	PJJT80041Z PJMCC0016Z PJJT80042Z PJJT80044Z PJJRB1001Z PPB723ADF08F PJJRB1014Z PJMCB0100Z PJGFC0004Z RWP98-025 PJULC0017Z	Orand Cubits Connected Shield Cover Orand Cubits Orand Cubits Cubits OUTER CONVEYOR RELAY Board Cubits Outer Shield Plate Roller Exchange Label Spacer	(RTL) PI
75 75 72 72 78 79 80 81 82 83 84 85	PJJTB00412 PJMCC00162 PJJTB00422 PJJTB00442 PJJRB10012 PJJRB10112 PJMCB01002 PJMCB01002 RWP98-025 PJULC00172 XPJJC10VW	Council Cable Connector Shall Cover Council Cable Council Cable Council Cable Cuble Cuble Cuble Cuble Cuble Cuble Cuble Cuble Cuble Shall Falsand Shall	(RTL) PI
75 76 72 78 78 79 82 81 82 81 82 83 84 85 86 369	PJJTB00412 PJMCC00162 PJJTB00422 PJJTB00442 PJJRB10012 PPBT23ADF05F PJJRB10142 PJMCB01002 PJGFC00042 RWP98-025 PJJLC00172 XPJ2C10VW XPJ2812WVW	Council Cable Connector Shield Cover Council Cable Council Cable Council Cable Council Cable Cuttle Cable	(RTL) PI
725 725 725 726 729 820 831 832 843 853 854 855 855 855 855 855 855 855 855 855	PJJTB00412 PJMCC00162 PJJTB00442 PJJTB00442 PJJRB10012 PPB723ADF05F PJJRB10142 PJMCB01002 PJGFC00042 RWPS8-025 PJULC00172 XPJZC10VW XTW3+U10PFX	Count Cable Cournelint Shall Cover Count Cable Canel Cable Cable OUTER CONNEYOR RELAY Board Cable Outer Shall Plate Fooder Shall Plate Spring Pro Pro Soere	(RTL) PI
75 76 72 78 78 79 82 81 82 81 82 83 84 85 86 369	PJJTB00412 PJJTB00412 PJJTB00422 PJJTB00422 PJJRB10012 PPB723ADF00F PJJRB10142 PJJMCB01002 RWP98-025 PJJUC0017Z XPJ2210VW XPL2812VVW XPL2812VVW XTW3+U8LFX XTW3+U8LFX	Count Cable Cournelint Shall Cover Count Cable Canel Cable Cable OUTER CONNEYOR RELAY Board Cable Outer Shall Plate Fooder Shall Plate Spring Pro Pro Soere	(RTL) PI
725 725 725 726 729 820 831 832 843 853 854 855 855 855 855 855 855 855 855 855	PJJTB00412 PJMC00162 PJJTB0042 PJJTB0042 PJJTB00442 PJJTB00442 PJJRB10112 PPB723ADF00F PJJRB10114 PJMCB0102 PJGFC00042 RWPS8-625 PJJLC00172 XPL2C10VW XPL2B12WVW XTW3+UBLEY XUCSFY XUCSFY	Connectate Shaled Cover Connectate Shaled Cover Counted Cables Counted Cables Cable Counted Cables Cable Counted Cables Cables Cabl	(RTL) PI
725 725 725 726 729 820 831 832 834 835 835 835 835 835 835 835 835 835 835	PJJTB00412 PJJTB00412 PJJTB00422 PJJTB00422 PJJRB10012 PPB723ADF00F PJJRB10142 PJJMCB01002 RWP98-025 PJJUC0017Z XPJ2210VW XPL2812VVW XPL2812VVW XTW3+U8LFX XTW3+U8LFX	Count Cable Cournelint Shall Cover Count Cable Canel Cable Cable OUTER CONNEYOR RELAY Board Cable Outer Shall Plate Fooder Shall Plate Spring Pro Pro Soere	(RTL) PI



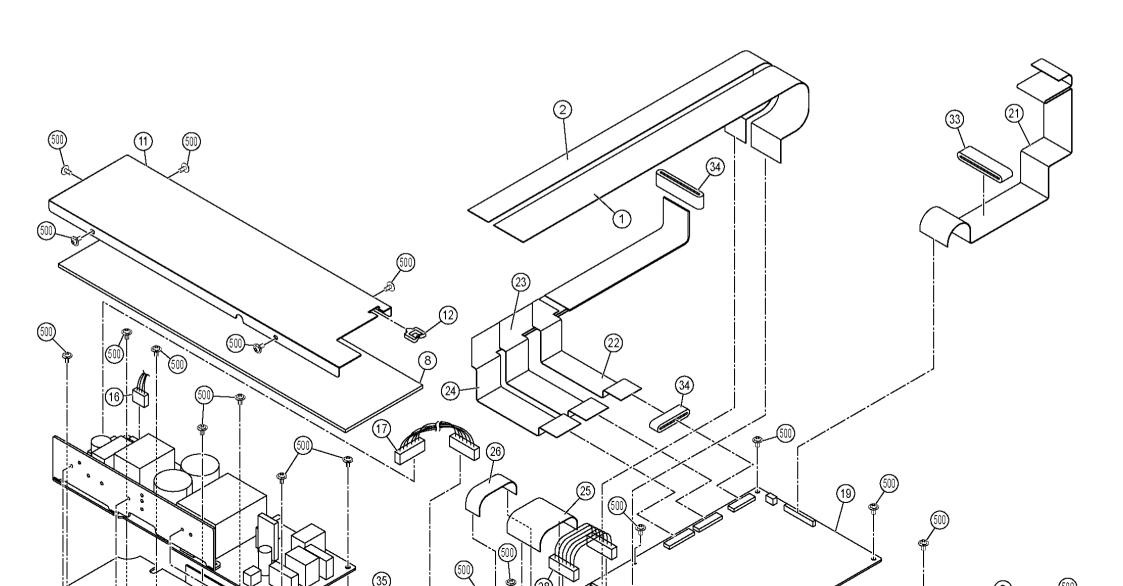
1 2	Part No.	Part Name & Description	Remarks
	PJDFC0086Z	Ring	
3	PJMEB0075Z PJHEB0094Z	Inner Cover Lock Plate ADF Whiter Standard Sheet	
4	PJHEB00942 PJHEB0100Z	ADF Glass	-
5	PJHRB0681Z	ADF Glass Attachment	
6	PBDRA0029Z	Free Roller	ISO: POM
<u>Z</u> 8	PJDFB0167Z PJNW4111Z	FB Free Roller Shaft Spacer	ISO: PA
2	PJINW4111Z PJDSB0226Z	FB Free Roller Spring	ISU: PA
10	PJJTB0045Z	Grand Cable	
11	PJULB0033Z	Conveyor Reinforce Plate 1	
<u>12</u>	PJDFB0177Z	FB Free Roller Shaft 2	
13	PJULB0034Z	Conveyor Reinforce Plate 2	
14	PJUSB0121Z	FB Free Roller Leaf Spring	
15 16	PJHRB0668Z PJDFB0166Z	FB Conveyor FB Exit Free Roller Shaft	ISO: ABS
17	PJDFB0179Z	Reference Plate	
18	PBDSA0036Y	Free Roller Spring	
19	PJHEC0005Z	Reflector Sheet	
20	PJUSB0125Z	Reference Plate Pressure Spring	
21	PJUAB0045Z L6HBKJGC0003	Main Chassis L-Ass y Motor (Paper Feed)	
22 23	PRHF287	Damper	
24	PBDGA0013Z	Paper Feed Gear	
25	PJNW525Z	Spacer	ISO: PA
26	NF-058E	Oil Damper	
<u>27</u>	PJMEB0058Z	Feed Planet Plate	
28	PJHRB0530Z	Paper Feed Pitch Roller Gear	ISO: POM
29 30	PBDGA0018Z PBHDA0001Z	Gear Screw	ISO: POM
31	PUDSB0228Z	Planet Spring	
32	PBDGA0030Z	Idler Gear-1BD	
33	PBDGA0033Y	Slow Shift Gear	
34	PBDGA0028Z	Intermediate Gear	
<u>35</u>	RWPS6-100 TB-1116	Spacer	
35 37	TB-1116 PPB723ADF05K	Bush SENSOR RELAY Board	(RTL) PbF
38	L2FA00000005	SENSOR Unit (Double Feed Detector)	,
39	PJJRB1016Z	Cable	
<u>40</u>	PJHRB0673Z	Double Feed Spacer	
41	PJMDB0272Z	Sensor Clamp Plate	
42 43	PJHXB0014Z PJMCB0097Z	Inverter Sheet (Upper) Inverter Shield Plate	ISO: PPE
43 44	PJMCB0097Z EDS-0607U	Inverter Shield Plate Edge Saddle	
45	EDS-1	Edge Saddle	
 45	LWS-1S	Locking Wire Saddle	
47	YMC10-0-V0	Clamp	
48	PJULB0029Z	Reinforce Plate 1	(DTI: T
49 50	PPB723ADF05N PJHXB0015Z	STARTING SENSOR Board Inverter Sheet (Lower)	(RTL) PbF ISO: PPE
51	PPB723ADF05M	HOPPER RELAY Board	(RTL) PbF
52		ENDING SENSOR Board	(RTL) PbF
53		Motor (Conveyor)	
54	EDS-2	Edge Saddle	
<u>55</u> 56	PJUAB0047Z KOKACF000067	Main Chassis R Switch	
5Z	PJMDB0299Z	Switch Plate	
58	F-W685ZZ1-1K	Bearing	
59	PJHRB0532Z	Tension Roller	ISO: POM
60	PJMEB0092Z	Tension Plate Ass y	
		Spacer	
<u>61</u>	RWPS5-050	Dett (Dett - Dett 4 Det - T - T	
<u>61</u> 62	RWPS5-050 B60S2M160GB B60S2M334GB	Belt (Drive Belt 1, Drive Belt 2) Belt (Drive Belt 3)	
<u>61</u>	B60S2M160GB		
61 62 63	B60S2M160GB B60S2M334GB	Belt (Drive Belt 3) Cable Plate Discharge Brush	
61 62 63 64 65 66	B60S2M160GB B60S2M334GB PJMDB0282Z PBMEA0010Z PJUEB0027Z	Beit (Drive Beit 3) Cable Plate Discharge Brush End Conveyor	
61 62 63 64 65 66	B60S2M160GB B60S2M334GB PJMDB0282Z PBMEA0010Z PJUEB0027Z PPB723ADF05C	Belt (Drive Belt 3) Cable Plate Discharge Brush End Conveyor POWER RELAY Board	(RTL) PbF
61 62 63 64 65 66 67 68	B60S2M160GB B60S2M334GB PJMDB0282Z PBMEA0010Z PJUEB0027Z PPB723ADF05C PJMCB0108Z	Belt (Drive Belt 3) Cable Plaste Discharge Brush End Conveyor POWER RELAY Board POWER RELAY Shield Plate	(RTL) PbF
61 62 63 64 65 66 67 68 69	B60S2M160GB B60S2M334GB PJMDB0282Z PBMEA0010Z PJUEB0027Z PPB723ADF05C	Belt (Drive Belt 3) Cable Plate Discharge Brush End Conveyor POWER RELAY Board POWER RELAY Sheld Plate Drive Roller 4 Ass y	(RTL) PbF
61 62 63 64 65 66 67 68	B60S2M160GB B60S2M334GB PJMDB0282Z PBMEA0010Z PJUEB0027Z PPB723ADF05C PJMCB0108Z PJDRB99Z-J2	Belt (Drive Belt 3) Cable Plaste Discharge Brush End Conveyor POWER RELAY Board POWER RELAY Shield Plate	(RTL) PbF
61 62 63 64 65 66 62 68 69	B60S2M160GB B60S2M334GB PJMDB0282Z PBMEA0010Z PJUEB0027Z PPB723ADF05C PJMCB0108Z PJDRB99Z-J2 PJDRB99Z-J2 PJNW610ZA	Bet (Drive Belt 3) Cable Palse Dicharge Brish End Conveyor POWER RELAY Board POWER RELAY Shedd Palse Drive Roller 4 Ass y Spacer Drive Pulley Gear Bearing	(RTL) PbF
61 62 63 64 65 66 67 68 69 70 71 72	B6052M160GB B6052M334GB PJMDB0282Z PBMEA0010Z PJUEB0027Z PPB723ADF05C PJMCB0108Z PJDRB99Z-J2 PJDRB99Z-J2 PJWW610ZA PBDGA0058Z THF-612ZZ4.5 B-F6-171	Best (Dive Belt 2) Cable Plate Chickings Broth End Conveyor POWER RELAY Board POWER RELAY Board POWER RELAY Bread Power Any Spacer Drive Plating Gear Bearing Bearing Bearing	(RTL) PbF
61 62 63 64 65 66 62 68 69 70 71 72 73	B6052M160GB B6052M334GB PJMDB0282Z PBMEA0010Z PJUEB0027Z PPB723ADF05C PJMCB0108Z PJDRB99Z-J2 PJWW610ZA PBDGA0058Z THF-612ZZ4.5 B-F6-171 PJDRB99Z-J1	Best Chine Best 1) Cable Pale Discharge Brush End Conveyor POWER RELAY Board POWER RELAY Sheel Pale POWER RELAY Sheel Pale Diver Rolard As y Sacor Diver Rolard Sacor Bearing Bearing Diver Rolard T As y	(RTL) PbF
61 62 63 64 65 66 67 68 69 70 71 72	B6052M160GB B6052M334GB PJMDB0282Z PBMEA0010Z PJUEB0027Z PPB723ADF05C PJMCB0108Z PJDRB99Z-J2 PJDRB99Z-J2 PJWW610ZA PBDGA0058Z THF-612ZZ4.5 B-F6-171	Best (Dive Belt 2) Cable Plate Chickings Broth End Conveyor POWER RELAY Board POWER RELAY Board POWER RELAY Bread Power Any Spacer Drive Plating Gear Bearing Bearing Bearing	(RTL) PbF
61 62 63 64 65 66 62 68 69 70 71 72 73	B6052M160GB B6052M334GB PJMDB0282Z PBMEA0010Z PJUEB0027Z PPB723ADF05C PJMCB0108Z PJDRB99Z-J2 PJWW610ZA PBDGA0058Z THF-612ZZ4.5 B-F6-171 PJDRB99Z-J1	Bell (Division Bits) Coulombre Discharge Bruch End Consepts End Consepts Food Research Beard FOOMER RELAY Blood Pales FOOMER RELAY Blood Pales FOOMER RELAY Blood Pales Food Research Bloomer Beard Bloomer Bloomer Beard Bloomer Beard Bloomer Bloomer Beard Bloomer Beard Bloomer Bloomer Bloomer Bloomer Beard Bloomer Bloome	(RTL) PbF
61 62 63 64 65 65 66 67 68 69 70 71 72 73 74	B6052M160GB B6052M334GB PJMD60282Z PBMEA0010Z PJME80027Z PPB723ADF05C PJMC80108Z PJDR899Z-J2 PJDR899Z-J2 THF-612ZZ4.5 B-F6-171 PJDR899Z-J1 PBDGA0058Z PJDR899Z-J1 PBDGA0059Z PJDR890Z-J1	Best Chine Best 1) Cable Pale Discharge Brush End Conveyor POWER RELAY Board POWER RELAY Sheel Pale POWER RELAY Sheel Pale Done Rider 4 As y Sacor Done Paley Geer Bearing Bearing Done Rider 1 As y	(RTL) PbF
61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76	B6052M160GB B6052M334GB P,MM680282Z PBMEA0010Z P,UEB0027Z PPB723ADF08C P,MM6802L P,UEB0027Z P,UEB0027Z P,UEB0027Z P,UEB0027Z P,UEB0027Z P,UEB0027Z P,UEB0027Z P,UEB0027Z P,UEB0027Z P,UEB0027Z P,UEB0027Z P,UEB0027Z P,UEB1002	Bell (Dive lett 3) Cube Thate Dealburge Broth End Conveyor End Conveyor Find Conveyor	(RTL) PbF
61 62 63 64 65 65 66 67 70 71 72 73 74 75 76 77 78 80	B6052M160GB B6052M334GB P,MD6902EZ PJWEB002TZ PBF22ADF05C PJWEB002TZ PBF22ADF05C PJWEB002TZ PJWR69062Z PJWR69064G	Bell (Division Bits) California Discharge Breich Discharge Breich Discharge Breich Discharge Breich Discharge Breich Discharge Breich Discharge Di	
61 62 63 64 65 65 66 67 70 71 72 73 74 75 76 77 78 80 80 81	BB052M 160GB BB052M 334GB BB052M 334GB PBMEAD0102 PJMEB002KZ PPBF23ADF95C PJMEB002KZ PJMEB000KZ PJMEB000KZ	Bell (Dive lett 3) Cube Thise Onacharge Broth End Conveyer End Conveyer Force Result Found FORMER RELAY Board Boarrag Boarrag Boarrag FORMER FORMER Board FORMER FORMER Board FORMER FORMER Board FORMER	
61 62 63 64 65 65 66 67 70 71 72 73 74 75 76 77 78 80 81 82	B8052M160GB B8052M334GB P,MCB02BZZ PBMEAD0102 P,MUB02BZZ PPBT23ADF90C P,MCB0102 P,MCB01012 P,	Bel (Dive lett 3) Calle Plate Deschappe Brouth End Consept End Consept Deschappe Brouth End Consept Deschappe Brouth End Consept Deschappe Brouth Deschappe Brouth Deschappe Brouth Deschappe Brouth Brouth Deschappe Brouth Brouth Deschappe Brouth	(RTL) PbF
61 62 63 64 65 65 66 67 70 71 72 73 74 75 76 77 78 80 80 81	BB052M 160GB BB052M 334GB BB052M 334GB PBMEAD0102 PJMEB002KZ PPBF23ADF95C PJMEB002KZ PJMEB000KZ PJMEB000KZ	Bell (Dive lett 3) Cube Thise Onacharge Broth End Conveyer End Conveyer Force Result Found FORMER RELAY Board Boarrag Boarrag Boarrag FORMER FORMER Board FORMER FORMER Board FORMER FORMER Board FORMER	
61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 75 80 80 81 82 83	98052M 160GB 98052M 334GB 98052M 334GB 91MD802802 PPMREAD10Z PPMREAD10Z PJMREB003Z	Bell (Dive Bell 3) Cube Plate Discharge Bruch End Conveyor End Conveyor Force Return Y Board FORMER RELY Board Plate FORMER RELY Bruch FORMER RELY Bruch Former Bruch Former Bruch Former Bruch	(RTL) PbF
61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 80 81 82 83 84	98052M 160GB 98052M 34-GB 98052M 34-GB 98052M 34-GB PAURB002EZ PRIMEAGO 102 PAURB002TZ PAURB0002TZ PAURB002TZ	Bell (Dive lett 3) Calle Plate Deschape Brown End Consepts End Consepts End Consepts For Consepts For Consepts For Consepts Space One Publy Goar Bearry Bear	(RTL) PbF
61 62 63 64 65 65 66 67 70 71 72 73 74 75 76 77 80 81 82 83 84 84 85	80052M 160GB 80052M334GB 80052M334GB 80052M334GB PAMCB036E2 PAMCB0	Bell (Dive lett 3) Cuber Plate Charlonge Brush End Conveyor Ford Serveyor Ford Serveyor Forder REA'V Board Forder Rea'V Board Forder Rea'V Board Forder Rea'V Board Contrage Contrage	(RTL) PbF
61 62 63 64 65 66 67 72 72 73 74 75 75 75 83 84 85 85 85 85 85 85 85 85 85 85 85 85 85	BOOSZM 160CB BOOSZM 234-GB BOO	Bell (Dive lett 3) Cube Thise Deathurge Broth End Conveyer 1 End Conveyer 2 End Conveyer 3 End Conveyer 4 End Conveyer 4 End Conveyer 4 End Conveyer 4 End	(RTL) PbF
61 62 63 64 65 65 65 67 71 72 72 73 74 75 68 81 82 82 82 82 82 82 82 82 82 82 82 82 82	80052M 160CIB 80052M334GB 80052M334GB 90052M34GB 90052M34GB 90052M34GB 90052M354GB 90052M3	Bell (Dive ethal 3) Cuber Plant Cuber Cuber Plant Cube	(RTL) PbF
61 62 63 64 65 65 65 65 65 65 65 65 65 65 65 65 65	B0052M 160CIB B0052M3A-GIB B0052M3A-GIB B0052M3A-GIB B0052M3A-GIB PAMDR026S2F	Bell (Dive lett 3) Cube Thes Description State S	(RTL) PbF
61 62 63 65 66 67 72 72 72 73 74 75 82 82 82 82 82 92 92 91	BOOSZM 1600EI BOOSZM 1600EI PAMDBOZISZ PRIMERADIA GER PAMDBOZISZ PRIMERADIA GER PAMDBOZISZ PRIMERADIA GER PRIME	Bell (Dive ethal 3) Cuber Plant Cuber Cuber Plant Cube	(RTL) PbF
61 62 63 64 65 65 65 65 65 65 65 65 65 65 65 65 65	BOOSZM 160CIB BOOSZM 3A-GGB BOOSZM 3A-GGB BOOSZM 3A-GGB PAMMEDOSZC PREMEDOSZC	Bell (Dive Bell 3) Cube Plate Discharge Brush End Conveyor End Conveyor Forward REALY Steel Plate FORMER REALY Steel Forward RealY For	(RTL) PbF
61 62 63 65 66 67 70 71 72 72 73 74 75 75 88 81 82 82 82 82 82 82 82 82 82 82 82 82 82	BOOSZM 160CIB BOOSZM 3A-GGB BOOSZM 3A-GGB BOOSZM 3A-GGB PAMMEDOSZC PREMEDOSZC	Bell (Dive eth 3) Cuber has been deed by Cube	(RTL) PbF
61 62 63 64 65 65 66 67 72 72 73 74 75 75 75 82 83 84 85 85 87 88 89 99 192 92	80052M 1600E0 80052M 1600E0 PAMERODIZEZ PA	Bell (Dive lett 3) Caller Table Deadbage Broth End Conveyor End Conveyor For Mark REAL / Shed Pale FORMER REAL / Shed FOR FORMER REAL / Shed FORMER REAL / Shed FORMER REAL / Shed FORMER	(RTL) PbF
61 62 63 64 65 65 65 65 65 65 65 65 65 65 65 65 65	80052M 160GB 80052	Bell (Dive Bell 3) Cube Plate Charlenge Broth Charlenge Special Specia	(RTL) PbF
61 62 63 64 65 65 65 65 65 65 65 65 65 65 65 65 65	BOOSZM 160CIB BOOSZM 160CIB BOOSZM 160CIB BOOSZM 160CIB BOOSZM 160CIB PAMERGESEZ PERMENDO 10C PAMERGESEZ PERMENDO 10C PAMERGESEZ PERMENDO 10C PAMERGESEZ PERMENDO 10C PERMENDO 10CIB PERME	Bell (Dive lett 3) Cube Plate Oscharge Bruch Oscharge Osc	(RTL) PbF
61 62 63 64 65 66 66 67 72 72 72 72 73 74 75 75 75 75 75 75 75 75 75 75 75 75 75	BOOGZM 1600E1 BOOGZM 1600E1 PAMEBOORZ PAMEBOORZ PAMEBOORZ PRESCHOOL PAMEBOORZ PRESCHOOL PAMEBOORZ PRESCHOOL PAMEBOORZ PRESCHOOL PAMEBOORZ PRESCHOOL PAMEBOORZ PRESCHOOL PAMEBOORZ PAMEBOOR	Bell (Dive et al. 2) Cube Plate Charloge Broth Special Special Charloge Broth Special Charloge Broth Ch	(RTL) PbF
61 62 63 64 65 65 65 65 65 65 65 65 65 65 65 65 65	BOOSZM 160CIB BOOSZM 160CIB BOOSZM 160CIB BOOSZM 160CIB BOOSZM 160CIB PAMERGESEZ PERMENDO 10C PAMERGESEZ PERMENDO 10C PAMERGESEZ PERMENDO 10C PAMERGESEZ PERMENDO 10C PERMENDO 10CIB PERME	Bell (Dive lett 3) Cube Plate Oscharge Bruch Oscharge Osc	(RTL) PbF

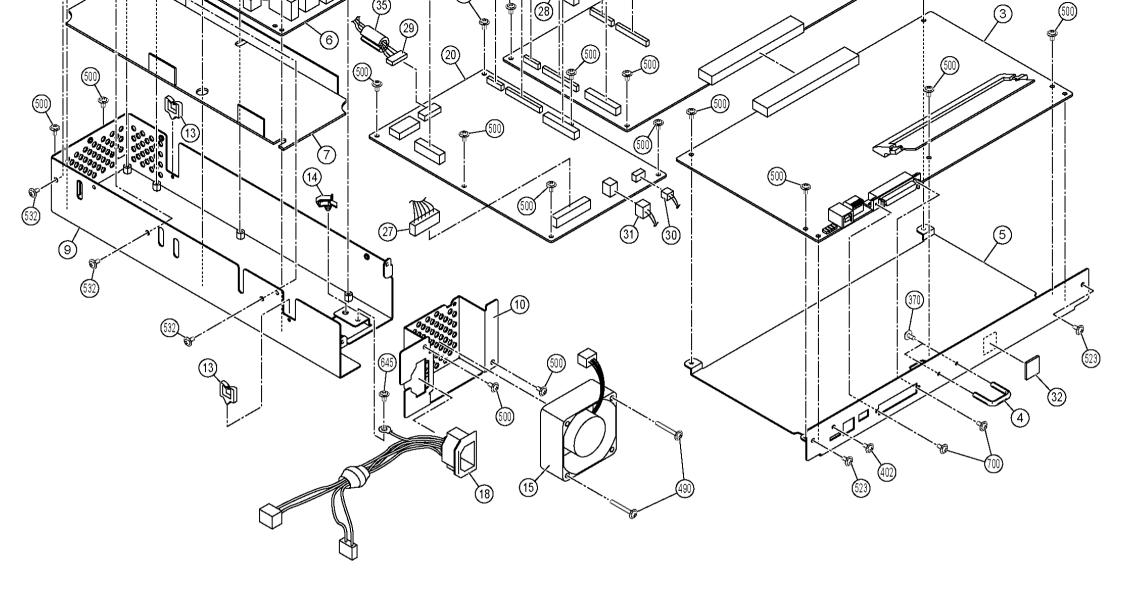


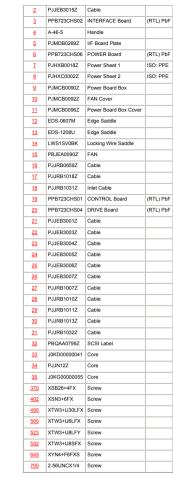
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103	PJJRB1019Z	Cable	
104	PJJRB1020Z	Cable	
105	LFC-27W-T	Flat Cable Clamp	
106	PJHXB0020Z	End Sensor Sheet	
107	PJRAC0003Z	Shield Gasket	
108	PJHEC0013Z	ADF Glass Sheet	ISO: PE
109	PJMCC0018Z	Dust Protect Sheet 2	ISO: SI
110	PJMCC0024Z	Dust Protect Sheet 4	ISO: SI
111	PJMCC0017Z	Dust Protect Sheet 1	
112	PJMCC0019Z	Dust Protect Sheet 3	ISO: SI
113	NK-6N	Clamp	
340	XPJ2C10VW	Pin	
358	XPL2B10WVW	Pin	
447	XTW23+10LFZ	Screw	
468	XTW3+U10LFX	Screw	
470	XTW3+U10PFX	Screw	
500	XTW3+U6LFX	Screw	
523	XTW3+UBLFY	Screw	
530	XTW3+U8PFX	Screw	
540	XUC3FY	E-ring	
550	XUC5FY	E-ring	
560	XUC8FY	E-ring	
614	XYN2+J6FX	Screw	
662	XYN4+J12FXS	Screw	

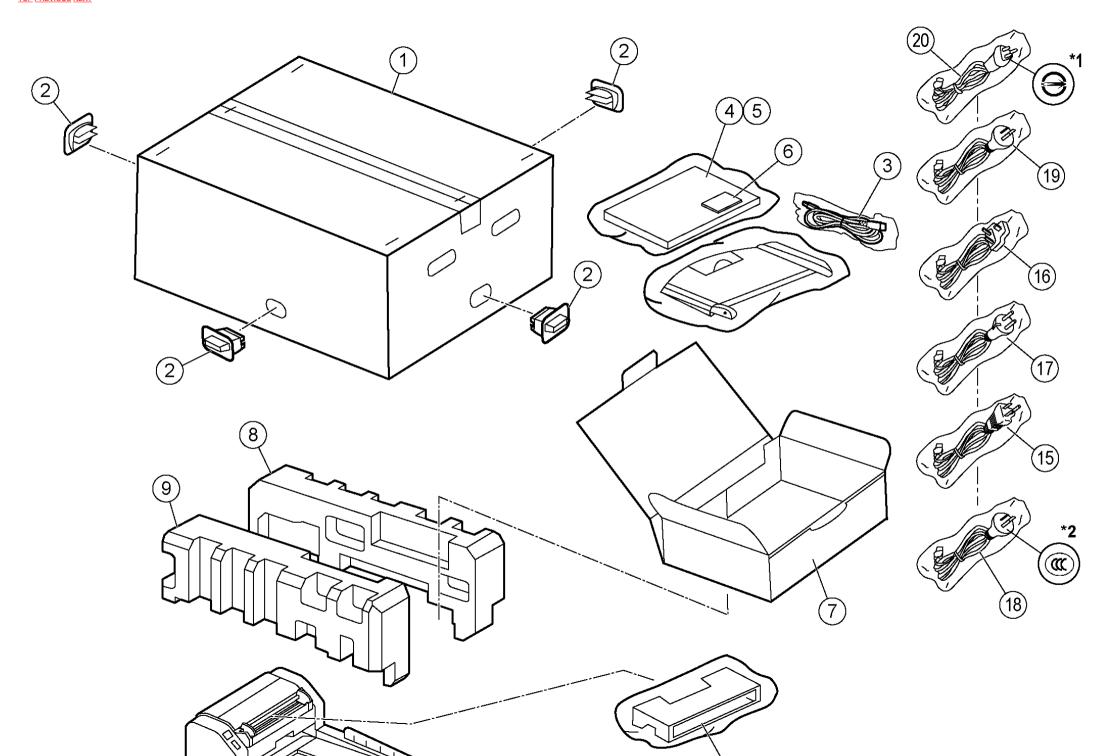


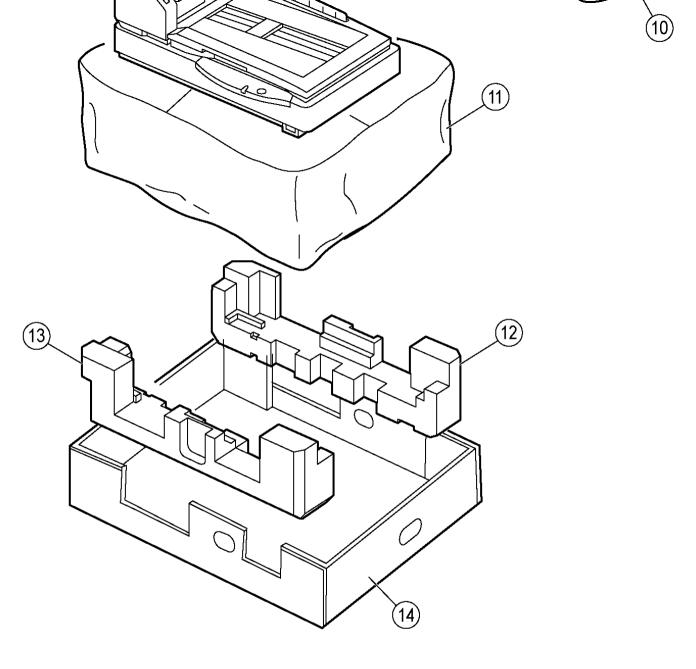
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4 Prof. State State From State 1 100 Control (1990) 100 Control (1990) 2 100 Control (1990) 100 Control (1990) 3 100 Control (1990) 100 Control (1990) 3 100 Control (1990) 100 Control (1990) 100 Control (1990) 3 100 Control (1990) 100 Control (1990) 100 Control (1990) 100 Control (1990) 4 100 Control (1990) 100 Control (1990) 100 Control (1990) 100 Control (1990) 4 100 Control (1990) 100 Control (1990) 100 Control (1990) 100 Control (1990) 5 100 Control (1990) 100 Control (1990) 100 Control (1990) 100 Control (1990) 6 100 Control (1990) 100 Control (1990) 100 Control (1990) 100 Control (1990) 6 100 Control (1990) 100 Control (1990) 100 Control (1990) 100 Control (1990) 6 100 Control (1990) 100 Control (1990) 100 Control (1990) 100 Control (1990) 10 100 Control (1990) 100 Control (1990) 100 Control (1990) 100 Control (1990)	
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Mod Compet	
MASS-0-0 Clamp	
TB-116 Bush TB-126 Bus	
1	
P.20921782 Tension Pulsey Shash	
22 P.JOSBOURGZ Tension Spring 23 P.JANDOSOGGZ Tension Pulsy Plate 41 P.JANDOSOGGZ Carriage Shaft Plate 42 P.JANDOSOGGZ Carriage Shaft Plate 43 P.JANDOSOGGZ Carriage Shaft 43 XKZZSOGOGASS Shaft	
DAMEROSORZ Tension Pulley Plate	
41 P.MD6006Z Carriage Shaft Plate 42 P.JUG0004Z Carriage Shaft 43 KOZ200000431 Switch	
42 K02200000431 Switch	
44 PP9723ADF05D DOCUMENT COVER DETECTOR Board (RTL) PbF	
	bF
Shield Plate A	
M PJMC90094Z Shield Plate B	
☑ P.HEB009CZ-J Flatbed Glass Ass y	
PJGKB0083Z-J FB Scale Plate D ISC: PS	
☑ PJGKE0084Z-J FB Scale Plate W ISC: PS	
51 J0X200000085 Filter	
22 PRQAA0825Z Label	
RTP3+8(3)RC Screw	
XTW3+U10PFX Screw	
XTWS+U6LFX Screw	
XTWS+UBLFX Screw	
M2 XUCSFY E-ring	
MS XUCHFY E-ring	
(C) XXEDWSFT Screw	
618 XYNS+F6FX Screw	
CO XYND-JSFX Screw	
XYN4+F8FXS Screw	











Note:

*1 Certification Mark according to The Commodity Inspection Act in Taiwan

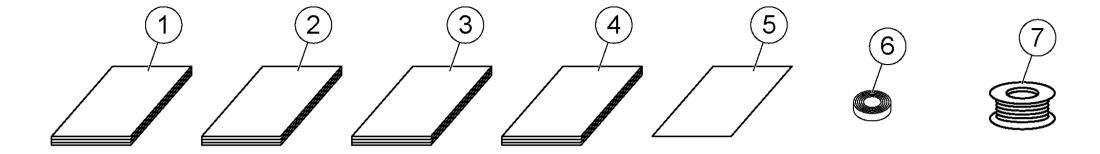
*2 AC cords for China have the certification mark according to REGULATIONS FOR CHINA COMPULSORY PRODUCT CERTIFICATION.

REPLACEMENT MECHANICAL PARTS LIST (Packing)

Ref. No.	Part No.	Part Name & Description	Remarks
1	PJPGB0237Z	Outer Carton for KV-S7065C	
1	PJPGB0237Z-U	Outer Carton for KV-S7065C-U	
1	PJPGC0040Z	Outer Carton for KV-S7065CCN	
1	PJPGB0237Z-A	Outer Carton for KV-S7065C-A	
1	PJPGB0237Z-T	Outer Carton for KV-S7065C-T	



2	HP-601W2-R	Joint	ISO:PP
3	K1HB04CD0002	USB Cable	
4	PJQXB0063Z	Installation Manual for KV-S7065C/-A/-T	
4	PJQXB0064Z	Installation Manual for German	
4	PJQXB0065Z	Installation Manual for French	
4	PJQXB0066Z	Installation Manual for Spanish	
4	PJQXB0067Z	Installation Manual for Italian	
4	PJQXB0068Z	Installation Manual for Korean	
4	PJQXB0069Z	Installation Manual for Russian	
5	PJQMB0139Z	Maintenance Manual for KV-S7065C/-A/-T	
5	PJQMB0140Z	Maintenance Manual for German	
5	PJQMB0141Z	Maintenance Manual for French	
5	PJQMB0142Z	Maintenance Manual for Spanish	
5	PJQMB0143Z	Maintenance Manual for Italian	
5	PJQMB0144Z	Maintenance Manual for Korean	
5	PJQMB0145Z	Maintenance Manual for Russian	
6	PBHSA0055Z	Roller Cleaning Paper	
Z	PJPKB0139Z	Accessory Box	
8	PJPNB0165Z	Cushion Top Back	ISO:PP
9	PJPNB0164Z	Cushion Top Front	ISO:PP
10	PJPNB0166Z	Feed Part Fixed Frame	
11	PBPPA0025Z	Cover	ISO:PE
12	PJPNB0163Z	Cushion Bottom Back	ISO:PP
13	PJPNB0162Z	Cushion Bottom Front	ISO:PP
14	PJPGB0238Z	Bottom Carton	
15	K2CG3DH00032	Power Cord	⚠, Type A-2
16	K2CT3DH00014	Power Cord	⚠, Type BF
17	K2CN3DH00003	Power Cord	⚠, Type C-4
18	K2CK3DH00014	Power Cord for CHINA	Δ
19	K2CK3DH00009	Power Cord for KV-S7065C-A	Δ
20	K2CG3DH00044	Power Cord for TAIWAN	Δ



REPLACEMENT MECHANICAL PARTS LIST (Tool)

Ref. No.	Part No.	Part Name & Description	Remarks
1	PBQX90095Z-J	Test Chart A4 (10 Pieces)	
2	PJQXB0059Z-J	Shading Sheet (10 Pieces)	
<u>3</u>	PBQX90104Z-J	Test Chart A (10 Pieces)	
4	PBQX90105Z-J	Test Chart B (10 Pieces)	
<u>5</u>	N022-R	Test Chart (Color)	
<u>6</u>	T4E30725-2	Таре	
<u>Z</u>	RMA02M705-08	Eco Solder	

15 REPLACEMENT PARTS LIST

TOP PREVIOUS NEXT

IMPORTANT SAFETY NOTICE

Components identified by \triangle mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.

Note: RTL (Retention Time Limited)

The marking (RTL) in the Remark column indicates that the Retention Time is limited for this item. After the discontinuation of this assembly in production, the item will continue to be available for a specific period of time. The retention periodof availability is dependent on the type of assembly, and in accordance with the laws governing part and product retention.

After the end of this period, the assembly will no longer be available.

Abbreviation of Part Name and Description

1. Resister

Example:

ERJ6GEYJ472

4.7k, <u>J,</u> 1/10W ALLOWANCE

OWANCE
±1%
±2%
±5%
±10%
±20%

2. Capacitor

Example:

ECUX1H104ZFX 0.1, <u>Z</u>, 50V ALLOWANCE

ALLOWANCE

C ±0.25pF

D ±0.5pF

F ±1pF

J ±5%

K ±10%

L ±15%

M ±20% P +100%, -0%

Z +80%, -20%

15.1 CONTROL Board

15.2 INTERFACE Board

15.3 DRIVE Board

15.4 CARRIAGE RELAY Board

15.5 CIS RELAY Board

15.6 OUTER CONVEYOR RELAY Board

15.7 WAITING SENSOR Board

15.8 ENDING SENSOR Board

15.9 HOPPER HOME DETECTOR Board

15.10 SIZE DETECTOR Board

15.11 STARTING SENSOR Board

15.12 HOPPER RELAY Board

15.13 SENSOR RELAY Board

15.14 POWER RELAY Board

15.15 PANEL Board

15.16 DOCUMENT COVER DETECTOR Board

15.17 CARRIAGE HOME DETECTOR Board

15.18 POWER Board

15.1 CONTROL Board

Ref. No.	Part No.	Part Name & Description	Remarks
	R	ESISTORS	,
R1000	ERJ3GEYJ103	10K / J / 1/10W	
R1001	ERJ3GEYJ103	10K / J / 1/10W	
R1002	ERJ3GEYJ103	10K / J / 1/10W	
R1003	ERJ3GEYJ103	10K / J / 1/10W	
R1004	ERJ3GEYJ220	22 / J / 1/10W	
R1005	ERJ3GEYJ220	22 / J / 1/10W	
R1006	ERJ3GEYJ220	22 / J / 1/10W	
R1007	ERJ3GEYJ220	22 / J / 1/10W	
R1008	ERJ3GEYJ220	22 / J / 1/10W	
R1009	ERJ3GEY0R00	0-ohm Jumper	
R1010	ERJ3GEY0R00	0-ohm Jumper	
R1011	ERJ3GEY0R00	0-ohm Jumper	
R1012	ERJ3GEYJ220	22 / J / 1/10W	
R1013	ERJ3GEY0R00	0-ohm Jumper	
R1014	ERJ3GEY0R00	0-ohm Jumper	
R1015	ERJ3GEY0R00	0-ohm Jumper	
R1016	ERJ3GEY0R00	0-ohm Jumper	
R1017	ERJ3GEY0R00	0-ohm Jumper	
R1018	ERJ3GEY0R00	0-ohm Jumper	
R1019	ERJ3GEY0R00	0-ohm Jumper	
R1020	ERJ3GEYJ220	22 / J / 1/10W	
R1021	ERJ3GEY0R00	0-ohm Jumper	
R1022	ERJ3GEY0R00	0-ohm Jumper	
R1023	ERJ3GEYJ472	4.7K / J / 1/10W	
R1024	ERJ3GEYJ472	4.7K / J / 1/10W	
R1025	ERJ3GEYJ472	4.7K / J / 1/10W	
R1026	ERJ3GEYJ472	4.7K / J / 1/10W	
R1027	ERJ3GEYJ472	4.7K / J / 1/10W	
R1028	ERJ3GEYJ472	4.7K / J / 1/10W	
R1029	ERJ3GEYJ472	4.7K / J / 1/10W	
R1030	ERJ3GEYJ472	4.7K / J / 1/10W	
R1031	ERJ3GEYJ471	470 / J / 1/10W	

R1032	ERJ3GEYJ472	4.7K / J / 1/10W
R1033	ERJ3GEYJ472	4.7K / J / 1/10W
R1034	ERJ3GEYJ472	4.7K / J / 1/10W
R1035	ERJ3GEYJ472	4.7K / J / 1/10W
R1036	ERJ3GEYJ472	4.7K / J / 1/10W
R1037	ERJ3GEYJ472	4.7K / J / 1/10W
R1038	ERJ3GEYJ472	4.7K / J / 1/10W
R1039	ERJ3GEYJ472	4.7K / J / 1/10W
R1040	ERJ3GEYJ471	470 / J / 1/10W
R1041	ERJ3GEYJ471	470 / J / 1/10W
R1042	ERJ3GEYJ471	470 / J / 1/10W
R1043	ERJ3GEY0R00	0-ohm Jumper
R1044	ERJ3GEY0R00	0-ohm Jumper
R1046	ERJ3GEY0R00	0-ohm Jumper
R1047	ERJ3GEY0R00	0-ohm Jumper
R1049	ERJ3GEY0R00	0-ohm Jumper
R1050	ERJ3GEY0R00	0-ohm Jumper
R1051	ERJ3GEYJ470	47 / J / 1/10W
R1052	ERJ3GEYJ470	47 / J / 1/10W
R1053	ERJ3GEYJ470	47 / J / 1/10W
R1054	ERJ3GEYJ470	47 / J / 1/10W
R1055	ERJ3GEYJ472	4.7K / J / 1/10W
R1056	ERJ3GEYJ472	4.7K / J / 1/10W
R1057	ERJ3GEYJ472	4.7K / J / 1/10W
R1058	ERJ3GEYJ472	4.7K / J / 1/10W
R1059	ERJ3GEYJ472	4.7K / J / 1/10W
R1060	ERJ3GEYJ472	4.7K / J / 1/10W
R1061	ERJ3GEYJ472	4.7K / J / 1/10W
R1062	ERJ3GEYJ472	4.7K / J / 1/10W
R1063	ERJ3GEYJ471	470 / J / 1/10W
R1064	ERJ3GEYJ472	4.7K / J / 1/10W
R1065	ERJ3GEYJ472	4.7K / J / 1/10W
R1066	ERJ3GEYJ472	4.7K / J / 1/10W
R1067	ERJ3GEYJ472	4.7K / J / 1/10W
R1068	ERJ3GEYJ472	4.7K / J / 1/10W
R1069	ERJ3GEYJ472	4.7K / J / 1/10W
R1070	ERJ3GEYJ472	4.7K / J / 1/10W
R1071	ERJ3GEYJ472	4.7K / J / 1/10W
R1072	ERJ3GEYJ471	470 / J / 1/10W

R1073	ERJ3GEYJ471	470 / J / 1/10W
R1074	ERJ3GEYJ471	470 / J / 1/10W
R1075	ERJ3GEY0R00	0-ohm Jumper
R1076	ERJ3GEY0R00	0-ohm Jumper
R1078	ERJ3GEY0R00	0-ohm Jumper
R1079	ERJ3GEY0R00	0-ohm Jumper
R1080	ERJ3GEYJ472	4.7K / J / 1/10W
R1081	ERJ3GEY0R00	0-ohm Jumper
R1082	ERJ3GEY0R00	0-ohm Jumper
R1083	ERJ3GEYJ470	47 / J / 1/10W
R1084	ERJ3GEYJ470	47 / J / 1/10W
R1085	ERJ3GEYJ470	47 / J / 1/10W
R1086	ERJ3GEYJ470	47 / J / 1/10W
R1087	ERJ3GEYJ473	47K / J / 1/10W
R1088	ERJ3GEYJ473	47K / J / 1/10W
R1089	ERJ3GEYJ473	47K / J / 1/10W
R1090	ERJ3GEYJ473	47K / J / 1/10W
R1091	ERJ3GEYJ473	47K / J / 1/10W
R1092	ERJ3GEYJ473	47K / J / 1/10W
R1093	ERJ3GEYJ334	330K / J / 1/10W
R1094	ERJ3GEYJ473	47K / J / 1/10W
R1095	ERJ3GEYJ473	47K / J / 1/10W
R1096	ERJ3GEYJ473	47K / J / 1/10W
R1097	ERJ3GEYJ473	47K / J / 1/10W
R1098	ERJ3GEYJ473	47K / J / 1/10W
R1099	ERJ3GEYJ334	330K / J / 1/10W
R1100	ERJ3GEYJ334	330K / J / 1/10W
R1101	ERJ3GEYJ334	330K / J / 1/10W
R1102	ERJ3GEYJ334	330K / J / 1/10W
R1103	ERJ3GEYJ473	47K / J / 1/10W
R1104	ERJ3GEYJ473	47K / J / 1/10W
R1105	ERJ3GEYJ473	47K / J / 1/10W
R1106	ERJ3GEYJ473	47K / J / 1/10W
R1107	ERJ3GEYJ334	330K / J / 1/10W
R1108	ERJ3GEYJ224	220K / J / 1/10W
R1109	ERJ3GEYJ334	330K / J / 1/10W
R1110	ERJ3GEYJ334	330K / J / 1/10W
R1111	ERJ3GEYJ473	47K / J / 1/10W
R1112	ERJ3GEYJ473	47K / J / 1/10W

R1113	ERJ3GEYJ224	220K / J / 1/10W
R1114	ERJ3GEYJ334	330K / J / 1/10W
R1115	ERJ3GEYJ224	220K / J / 1/10W
R1116	ERJ3GEYJ334	330K / J / 1/10W
R1117	ERJ3GEYJ224	220K / J / 1/10W
R1118	ERJ3GEYJ334	330K / J / 1/10W
R1119	ERJ3GEYJ332	3.3K / J / 1/10W
R1120	ERJ3GEYJ332	3.3K / J / 1/10W
R1121	ERJ3GEYJ332	3.3K / J / 1/10W
R1122	ERJ3GEYJ332	3.3K / J / 1/10W
R1123	ERJ3GEYJ332	3.3K / J / 1/10W
R1124	ERJ3GEYJ332	3.3K / J / 1/10W
R1125	ERJ3GEYJ332	3.3K / J / 1/10W
R1126	ERJ3GEYJ332	3.3K / J / 1/10W
R1127	ERJ3GEYJ332	3.3K / J / 1/10W
R1128	ERJ3GEYJ332	3.3K / J / 1/10W
R1129	ERJ3GEYJ332	3.3K / J / 1/10W
R1130	ERJ3GEYJ332	3.3K / J / 1/10W
R1131	ERJ3GEYJ332	3.3K / J / 1/10W
R1132	ERJ3GEYJ332	3.3K / J / 1/10W
R1133	ERJ3GEYJ332	3.3K / J / 1/10W
R1134	ERJ3GEYJ332	3.3K / J / 1/10W
R1143	ERJ3GEYJ220	22 / J / 1/10W
R1144	ERJ3GEYJ220	22 / J / 1/10W
R1145	ERJ3GEY0R00	0-ohm Jumper
R1147	ERJ3GEYJ103	10K / J / 1/10W
R1148	ERJ3GEYJ103	10K / J / 1/10W
R1149	ERJ3GEYJ103	10K / J / 1/10W
R1150	ERJ3GEYJ473	47K / J / 1/10W
R1151	ERJ3GEYJ103	10K / J / 1/10W
R1152	ERJ3GEYJ103	10K / J / 1/10W
R1153	ERJ3GEYJ103	10K / J / 1/10W
R1154	ERJ3GEY0R00	0-ohm Jumper
R1155	ERJ3GEYJ394	390K / J / 1/10W
R1156	ERJ3GEYJ184	180K / J / 1/10W
R1157	ERJ3GEYJ222	2.2K / J / 1/10W
R1158	ERJ3GEY0R00	0-ohm Jumper
R1159	ERJ3GEYJ103	10K / J / 1/10W
R1162	ERJ3GEYJ201	200 / J / 1/10W

R1163	ERJ3GEYJ220	22 / J / 1/10W
R1164	ERJ3GEYJ103	10K / J / 1/10W
R1165	ERJ3GEYJ103	10K / J / 1/10W
R1166	ERJ3GEY0R00	0-ohm Jumper
R1168	ERJ3GEYJ103	10K / J / 1/10W
R1170	ERJ3GEYJ103	10K / J / 1/10W
R1171	ERJ3GEYJ220	22 / J / 1/10W
R1173	ERJ3GEYJ103	10K / J / 1/10W
R1174	ERJ3GEYJ103	10K / J / 1/10W
R1175	ERJ3GEYJ103	10K / J / 1/10W
R1176	ERJ3GEYJ103	10K / J / 1/10W
R1177	ERJ3GEYJ103	10K / J / 1/10W
R1178	ERJ3GEYJ103	10K / J / 1/10W
R1180	ERJ3GEYJ472	4.7K / J / 1/10W
R1181	ERJ3GEYJ103	10K / J / 1/10W
R1182	ERJ3GEYJ272	2.7K / J / 1/10W
R1183	ERJ3GEYJ472	4.7K / J / 1/10W
R1184	ERJ3GEYJ472	4.7K / J / 1/10W
R1185	ERJ3GEYJ472	4.7K / J / 1/10W
R1186	ERJ3GEYJ472	4.7K / J / 1/10W
R1188	ERJ3GEYJ472	4.7K / J / 1/10W
R1189	ERJ3GEYJ472	4.7K / J / 1/10W
R1190	ERJ3GEYJ472	4.7K / J / 1/10W
R1191	ERJ3GEYJ220	22 / J / 1/10W
R1192	ERJ3GEYJ220	22 / J / 1/10W
R1193	ERJ3GEYJ220	22 / J / 1/10W
R1194	ERJ3GEYJ223	22 / J / 1/10W
R1195	ERJ12YJ222	2.2K / J / 1/2W
R1196	D4FB1R100005	Poly Switch
R1197	D4FB1R100005	Poly Switch
R1201	D4FB1R100005	Poly Switch
R1202	ERJ3GEYJ473	47K / J / 1/10W
R1203	ERJ3GEYJ103	10K / J / 1/10W
R1204	ERJ3GEYJ220	22 / J / 1/10W
R1205	ERJ3GEYJ103	10K / J / 1/10W
R1210	ERJ3GEYJ103	10K / J / 1/10W
R1211	ERJ3GEYJ223	22K / J / 1/10W
R1212	ERJ3GEYJ223	22K / J / 1/10W
R1213	ERJ3GEYJ223	22K / J / 1/10W

	MNR14E0AJ220	Resistor Array	
-		redictor ruray	
Z1003	MNR14E0AJ220	Resistor Array	
Z1004	MNR14E0AJ220	Resistor Array	
Z1005	MNR14E0AJ220	Resistor Array	
Z1006	MNR14E0AJ103	Resistor Array	
Z1007	MNR14E0AJ103	Resistor Array	
Z1008	MNR14E0AJ220	Resistor Array	
Z1009	MNR14E0AJ220	Resistor Array	
Z1010	MNR14E0AJ220	Resistor Array	
Z1011	MNR14E0AJ220	Resistor Array	
Z1012	MNR14E0AJ103	Resistor Array	
Z1013	MNR14E0AJ103	Resistor Array	
Z1015	MNR14E0AJ103	Resistor Array	
Z1016	MNR14E0AJ220	Resistor Array	
Z1017	MNR14E0AJ220	Resistor Array	
Z1018	MNR14E0AJ220	Resistor Array	
Z1019	MNR14E0AJ220	Resistor Array	
Z1020	MNR14E0AJ220	Resistor Array	
Z1021	MNR14E0AJ220	Resistor Array	
Z1022	D1H84704A008	Resistor Array	
Z1023	D1H84704A008	Resistor Array	
Z1024	D1H84704A008	Resistor Array	
Z1025	D1H84704A008	Resistor Array	
Z1026	D1H84704A008	Resistor Array	
Z1027	D1H84704A008	Resistor Array	
Z1028	D1H84704A008	Resistor Array	
Z1029	D1H84704A008	Resistor Array	
Z1030	D1H822240002	Resistor Array	
Z1031	D1H822240002	Resistor Array	_
Z1032	MNR14E0AJ103	Resistor Array	
Z1033	MNR14E0AJ220	Resistor Array	
Z1034	MNR14E0AJ103	Resistor Array	
Z1035	MNR14E0AJ220	Resistor Array	
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Z1042	MNR14E0AJ220	Resistor Array
Z1043	MNR14E0AJ103	Resistor Array
Z1044	MNR14E0AJ103	Resistor Array
Z1045	MNR14E0AJ103	Resistor Array
Z1046	MNR14E0AJ103	Resistor Array
Z1047	MNR14E0AJ103	Resistor Array
Z1048	MNR14E0AJ220	Resistor Array
Z1049	MNR14E0AJ220	Resistor Array
Z1050	MNR14E0AJ220	Resistor Array
Z1051	MNR14E0AJ220	Resistor Array
Z1052	MNR14E0AJ220	Resistor Array
Z1053	MNR14E0AJ220	Resistor Array
Z1054	MNR14E0AJ220	Resistor Array
Z1055	MNR14E0AJ103	Resistor Array
Z1056	MNR14E0AJ103	Resistor Array
Z1057	MNR14E0AJ103	Resistor Array
Z1058	MNR14E0AJ103	Resistor Array
Z1059	MNR14E0AJ103	Resistor Array
Z1060	MNR14E0AJ103	Resistor Array
Z1061	MNR14E0AJ103	Resistor Array
Z1062	MNR14E0AJ103	Resistor Array
Z1063	MNR14E0AJ103	Resistor Array
Z1064	MNR14E0AJ103	Resistor Array
Z1065	MNR14E0AJ103	Resistor Array
Z1066	MNR14E0AJ103	Resistor Array
Z1068	MNR14E0AJ103	Resistor Array
Z1069	MNR14E0AJ103	Resistor Array
Z1071	MNR14E0AJ103	Resistor Array
Z1072	MNR14E0AJ103	Resistor Array
Z1073	MNR14E0AJ220	Resistor Array
Z1074	MNR14E0AJ220	Resistor Array
Z1075	MNR14E0AJ220	Resistor Array
Z1076	MNR14E0AJ220	Resistor Array
Z1077	MNR14E0AJ220	Resistor Array
Z1078	MNR14E0AJ220	Resistor Array
Z1081	MNR14E0AJ220	Resistor Array
Z1082	MNR14E0AJ220	Resistor Array
Z1083	MNR14E0AJ220	Resistor Array
Z1400	MNR14E0AJ220	Resistor Array

Z1401	MNR14E0AJ220	Resistor Array
Z1402	MNR14E0AJ220	Resistor Array
Z1403	MNR14E0AJ220	Resistor Array
Z1404	MNR14E0AJ103	Resistor Array
Z1405	MNR14E0AJ103	Resistor Array
		PACITORS
C1000	F2G1A1010013	100 / M / 10V
C1001	ECUX1E104ZFV	0.1 / Z / 25V
C1002	ECUX1H102KBV	1000p / K / 50V
C1003	ECUX1H102KBV	1000p / K / 50V
C1004	ECUX1E104ZFV	0.1 / Z / 25V
C1005	F2G1A1010013	100 / M / 10V
C1006	F2G0G2210002	220 / M /4V
C1007	ECUX1H102KBV	1000p / K / 50V
C1008	ECUX1E104ZFV	0.1 / Z / 25V
C1009	F2G0G2210002	220 / M /4V
C1010	ECUX1H102KBV	1000p / K / 50V
C1011	ECUX1E104ZFV	0.1 / Z / 25V
C1012	ECUX1E104ZFV	0.1 / Z / 25V
C1013	ECUX1E104ZFV	0.1 / Z / 25V
C1014	ECUX1E104ZFV	0.1 / Z / 25V
C1015	ECUX1H102KBV	1000p / K / 50V
C1016	ECUX1E104ZFV	0.1 / Z / 25V
C1017	ECUX1H102KBV	1000p / K / 50V
C1018	ECUX1H102KBV	1000p / K / 50V
C1019	ECUX1H102KBV	1000p / K / 50V
C1020	ECUX1H102KBV	1000p / K / 50V
C1021	ECUX1E104ZFV	0.1 / Z / 25V
C1024	ECUX1H102KBV	1000p / K / 50V
C1026	ECUX1E104ZFV	0.1 / Z / 25V
C1028	ECUX1H102KBV	1000p / K / 50V
C1029	ECUX1E104ZFV	0.1 / Z / 25V
C1038	ECUX1H102KBV	1000p / K / 50V
C1039	ECUX1H102KBV	1000p / K / 50V
C1041	ECUX1E104ZFV	0.1 / Z / 25V
C1043	F2G1A1010013	100 / M / 10V
C1045	ECUX1E104ZFV	0.1 / Z / 25V
C1049	F2G1C1010024	100 / M / 16V
C1050	ECUX1H102KBV	1000p / K / 50V

C1051	ECUX1H102KBV	1000p / K / 50V
C1052	F2G1A1010013	100 / M / 10V
C1053	ECUX1E104ZFV	0.1 / Z / 25V
C1054	ECUX1E104ZFV	0.1 / Z / 25V
C1055	ECUX1H102KBV	1000p / K / 50V
C1056	ECUX1E104ZFV	0.1 / Z / 25V
C1057	F2G1C1010024	100 / M / 16V
C1058	ECUX1E104ZFV	0.1 / Z / 25V
C1059	ECUX1E104ZFV	0.1 / Z / 25V
C1060	ECUX1E104ZFV	0.1 / Z / 25V
C1061	ECUX1E104ZFV	0.1 / Z / 25V
C1062	ECUX1E104ZFV	0.1 / Z / 25V
C1063	ECUX1E104ZFV	0.1 / Z / 25V
C1064	ECUX1E104ZFV	0.1 / Z / 25V
C1065	ECUX1E104ZFV	0.1 / Z / 25V
C1066	ECUX1E104ZFV	0.1 / Z / 25V
C1067	ECUX1E104ZFV	0.1 / Z / 25V
C1068	ECUX1E104ZFV	0.1 / Z / 25V
C1069	ECUX1E104ZFV	0.1 / Z / 25V
C1070	ECUX1E104ZFV	0.1 / Z / 25V
C1071	F2G1C1000014	10 / M / 16V
C1072	ECUX1E104ZFV	0.1 / Z / 25V
C1073	ECUX1E104ZFV	0.1 / Z / 25V
C1074	F2G1C1000014	10 / M / 16V
C1075	F2G1C1000014	10 / M / 16V
C1076	ECUX1E104ZFV	0.1 / Z / 25V
C1077	F2G1C1000014	10 / M / 16V
C1078	ECUX1E104ZFV	0.1 / Z / 25V
C1079	ECUX1E104ZFV	0.1 / Z / 25V
C1080	ECUX1E104ZFV	0.1 / Z / 25V
C1081	ECUX1E104ZFV	0.1 / Z / 25V
C1082	ECUX1E104ZFV	0.1 / Z / 25V
C1083	ECUX1E104ZFV	0.1 / Z / 25V
C1084	ECUX1E104ZFV	0.1 / Z / 25V
C1085	ECUX1E104ZFV	0.1 / Z / 25V
C1086	ECUX1E104ZFV	0.1 / Z / 25V
C1087	ECUX1E104ZFV	0.1 / Z / 25V
C1088	ECUX1E104ZFV	0.1 / Z / 25V
C1089	F2G1C1000014	10 / M / 16V

C1090 F2G1C1000014 10 / M / 16V C1091 ECUX1E104ZFV 0.1 / Z / 25V C1092 F2G1C1000014 10 / M / 16V C1093 ECUX1E104ZFV 0.1 / Z / 25V C1094 ECUX1E104ZFV 0.1 / Z / 25V C1095 F2G1C1000014 10 / M / 16V C1096 ECUX1E104ZFV 0.1 / Z / 25V C1097 F2G1C1000014 10 / M / 16V C1098 ECUX1E104ZFV 0.1 / Z / 25V C1099 F2G1C1000014 10 / M / 16V C1099 F2G1C1000014 10 / M / 16V C1100 ECUX1E104ZFV 0.1 / Z / 25V C1101 ECUX1E104ZFV 0.1 / Z / 25V C1102 ECUX1E104ZFV 0.1 / Z / 25V C1103 F2G1C1000014 10 / M / 16V C1104 ECUX1E104ZFV 0.1 / Z / 25V C1105 ECUX1E104ZFV 0.1 / Z / 25V C1106 ECUX1E104ZFV 0.1 / Z / 25V C1107 ECUX1E104ZFV 0.1 / Z / 25V C1108 F2G1C1000014 10 / M / 16V C1109 ECUX1E104ZFV 0.1 / Z / 25V C1100 ECUX1E104ZFV 0.1 / Z / 25V C1101 ECUX1E104ZFV 0.1 / Z / 25V C1110 F2G1C1000014 10 / M / 16V C1101 ECUX1E104ZFV 0.1 / Z / 25V C1111 ECUX1E104ZFV 0.1 / Z / 25V C1112 ECUX1E104ZFV 0.1 / Z / 25V C1113 ECUX1E104ZFV 0.1 / Z / 25V C1114 ECUX1E104ZFV 0.1 / Z / 25V C1115 F2G1C1000014 10 / M / 16V C1116 ECUX1E104ZFV 0.1 / Z / 25V C1117 ECUX1E104ZFV 0.1 / Z / 25V C1118 ECUX1E104ZFV 0.1 / Z / 25V C1119 F2G1C1000014 10 / M / 16V C1110 F2G1C1000014 10 / M / 16V C1111 ECUX1E104ZFV 0.1 / Z / 25V C1112 ECUX1E104ZFV 0.1 / Z / 25V C1113 ECUX1E104ZFV 0.1 / Z / 25V C1114 ECUX1E104ZFV 0.1 / Z / 25V C1115 F2G1C1000014 10 / M / 16V C1120 F2G1C1000014 10 / M / 16V C1121 ECUX1E104ZFV 0.1 / Z / 25V C1122 ECUX1H102KBV 1000p / K / 50V C1123 ECUX1H102KBV 1000p / K / 50V C1124 ECUX1E104ZFV 0.1 / Z / 25V C1125 ECUX1E104ZFV 0.1 / Z / 25V C1126 ECUX1E104ZFV 0.1 / Z / 25V C1127 ECUX1E104ZFV 0.1 / Z / 25V C1128 ECUX1E104ZFV 0.1 / Z / 25V C1128 ECUX1E104ZFV 0.1 / Z / 25V C1128 ECUX1E104ZFV 0.1 / Z / 25V			
C1092 F2G1C1000014 10 / M / 16V C1093 ECUX1E104ZFV 0.1 / Z / 25V C1094 ECUX1E104ZFV 0.1 / Z / 25V C1095 F2G1C1000014 10 / M / 16V C1096 ECUX1E104ZFV 0.1 / Z / 25V C1097 F2G1C1000014 10 / M / 16V C1098 ECUX1E104ZFV 0.1 / Z / 25V C1099 F2G1C1000014 10 / M / 16V C1100 ECUX1E104ZFV 0.1 / Z / 25V C1101 ECUX1E104ZFV 0.1 / Z / 25V C1102 ECUX1E104ZFV 0.1 / Z / 25V C1103 F2G1C1000014 10 / M / 16V C1104 ECUX1E104ZFV 0.1 / Z / 25V C1105 ECUX1E104ZFV 0.1 / Z / 25V C1106 ECUX1E104ZFV 0.1 / Z / 25V C1107 ECUX1E104ZFV 0.1 / Z / 25V C1108 F2G1C1000014 10 / M / 16V C1109 ECUX1E104ZFV 0.1 / Z / 25V C1100 ECUX1E104ZFV 0.1 / Z / 25V C1101 ECUX1E104ZFV 0.1 / Z / 25V C1110 ECUX1E104ZFV 0.1 / Z / 25V C1111 ECUX1E104ZFV 0.1 / Z / 25V C1111 ECUX1E104ZFV 0.1 / Z / 25V C1112 ECUX1E104ZFV 0.1 / Z / 25V C1113 ECUX1E104ZFV 0.1 / Z / 25V C1114 ECUX1E104ZFV 0.1 / Z / 25V C1115 F2G1C1000014 10 / M / 16V C1116 ECUX1E104ZFV 0.1 / Z / 25V C1117 ECUX1E104ZFV 0.1 / Z / 25V C1118 ECUX1E104ZFV 0.1 / Z / 25V C1119 F2G1C1000014 10 / M / 16V C1110 F2G1C1000014 10 / M / 16V C1111 ECUX1E104ZFV 0.1 / Z / 25V C1111 ECUX1E104ZFV 0.1 / Z / 25V C1111 ECUX1E104ZFV 0.1 / Z / 25V C1112 ECUX1E104ZFV 0.1 / Z / 25V C1113 ECUX1E104ZFV 0.1 / Z / 25V C1114 ECUX1E104ZFV 0.1 / Z / 25V C1115 F2G1C1000014 10 / M / 16V C1120 F2G1C1000014 10 / M / 16V C1121 ECUX1E104ZFV 0.1 / Z / 25V C1122 ECUX1H102KBV 1000p / K / 50V C1123 ECUX1H102KBV 1000p / K / 50V C1124 ECUX1E104ZFV 0.1 / Z / 25V C1125 ECUX1E104ZFV 0.1 / Z / 25V C1126 ECUX1E104ZFV 0.1 / Z / 25V C1127 ECUX1E104ZFV 0.1 / Z / 25V C1128 ECUX1E104ZFV 0.1 / Z / 25V C1127 ECUX1E104ZFV 0.1 / Z / 25V	C1090	F2G1C1000014	10 / M / 16V
C1093 ECUX1E104ZFV 0.1/Z/25V C1094 ECUX1E104ZFV 0.1/Z/25V C1095 F2G1C1000014 10 / M / 16V C1096 ECUX1E104ZFV 0.1/Z/25V C1097 F2G1C1000014 10 / M / 16V C1098 ECUX1E104ZFV 0.1/Z/25V C1099 F2G1C1000014 10 / M / 16V C1100 ECUX1E104ZFV 0.1/Z/25V C1101 ECUX1E104ZFV 0.1/Z/25V C1102 ECUX1E104ZFV 0.1/Z/25V C1103 F2G1C1000014 10 / M / 16V C1104 ECUX1E104ZFV 0.1/Z/25V C1105 ECUX1E104ZFV 0.1/Z/25V C1106 ECUX1E104ZFV 0.1/Z/25V C1107 ECUX1E104ZFV 0.1/Z/25V C1108 F2G1C1000014 10 / M / 16V C1109 ECUX1E104ZFV 0.1/Z/25V C1100 ECUX1E104ZFV 0.1/Z/25V C1101 ECUX1E104ZFV 0.1/Z/25V C1101 ECUX1E104ZFV 0.1/Z/25V C1102 ECUX1E104ZFV 0.1/Z/25V C1103 F2G1C1000014 10 / M / 16V C1104 ECUX1E104ZFV 0.1/Z/25V C1105 ECUX1E104ZFV 0.1/Z/25V C1110 ECUX1E104ZFV 0.1/Z/25V C11110 F2G1C1000014 10 / M / 16V C1111 ECUX1E104ZFV 0.1/Z/25V C1111 ECUX1E104ZFV 0.1/Z/25V C1112 ECUX1E104ZFV 0.1/Z/25V C1113 ECUX1E104ZFV 0.1/Z/25V C1114 ECUX1E104ZFV 0.1/Z/25V C1115 F2G1C1000014 10 / M / 16V C1116 ECUX1E104ZFV 0.1/Z/25V C1117 ECUX1E104ZFV 0.1/Z/25V C1118 ECUX1E104ZFV 0.1/Z/25V C1119 F2G1C1000014 10 / M / 16V C1110 F2G1C1000014 10 / M / 16V C1111 ECUX1E104ZFV 0.1/Z/25V C1112 ECUX1E104ZFV 0.1/Z/25V C1113 ECUX1E104ZFV 0.1/Z/25V C1114 ECUX1E104ZFV 0.1/Z/25V C1115 ECUX1E104ZFV 0.1/Z/25V C1116 ECUX1E104ZFV 0.1/Z/25V C1117 ECUX1E104ZFV 0.1/Z/25V C1118 ECUX1E104ZFV 0.1/Z/25V C1119 F2G1C1000014 10 / M / 16V C1120 F2G1C1000014 10 / M / 16V C1121 ECUX1E104ZFV 0.1/Z/25V C1122 ECUX1H102KBV 1000p / K / 50V C1123 ECUX1H102KBV 1000p / K / 50V C1124 ECUX1E104ZFV 0.1/Z/25V C1125 ECUX1E104ZFV 0.1/Z/25V C1126 ECUX1E104ZFV 0.1/Z/25V	C1091	ECUX1E104ZFV	0.1 / Z / 25V
C1094 ECUX1E104ZFV 0.1/Z/25V C1095 F2G1C1000014 10 / M / 16V C1096 ECUX1E104ZFV 0.1/Z/25V C1097 F2G1C1000014 10 / M / 16V C1098 ECUX1E104ZFV 0.1/Z/25V C1099 F2G1C1000014 10 / M / 16V C1100 ECUX1E104ZFV 0.1/Z/25V C1101 ECUX1E104ZFV 0.1/Z/25V C1102 ECUX1E104ZFV 0.1/Z/25V C1103 F2G1C1000014 10 / M / 16V C1104 ECUX1E104ZFV 0.1/Z/25V C1105 ECUX1E104ZFV 0.1/Z/25V C1106 ECUX1E104ZFV 0.1/Z/25V C1107 ECUX1E104ZFV 0.1/Z/25V C1108 F2G1C1000014 10 / M / 16V C1109 ECUX1E104ZFV 0.1/Z/25V C1100 ECUX1E104ZFV 0.1/Z/25V C11107 ECUX1E104ZFV 0.1/Z/25V C11108 F2G1C1000014 10 / M / 16V C1110 F2G1C1000014 10 / M / 16V C1111 ECUX1E104ZFV 0.1/Z/25V C1112 ECUX1E104ZFV 0.1/Z/25V C1113 ECUX1E104ZFV 0.1/Z/25V C1114 ECUX1E104ZFV 0.1/Z/25V C1115 F2G1C1000014 10 / M / 16V C1116 ECUX1E104ZFV 0.1/Z/25V C1117 ECUX1E104ZFV 0.1/Z/25V C1118 ECUX1E104ZFV 0.1/Z/25V C1119 F2G1C1000014 10 / M / 16V C1120 F2G1C1000014 10 / M / 16V C1121 ECUX1E104ZFV 0.1/Z/25V C1122 ECUX1H102KBV 1000p / K / 50V C1123 ECUX1H102KBV 1000p / K / 50V C1124 ECUX1E104ZFV 0.1/Z/25V C1125 ECUX1E104ZFV 0.1/Z/25V C1126 ECUX1E104ZFV 0.1/Z/25V	C1092	F2G1C1000014	10 / M / 16V
C1095 F2G1C1000014 10 / M / 16V C1096 ECUX1E104ZFV 0.1 / Z / 25V C1097 F2G1C1000014 10 / M / 16V C1098 ECUX1E104ZFV 0.1 / Z / 25V C1099 F2G1C1000014 10 / M / 16V C1100 ECUX1E104ZFV 0.1 / Z / 25V C1101 ECUX1E104ZFV 0.1 / Z / 25V C1102 ECUX1E104ZFV 0.1 / Z / 25V C1103 F2G1C1000014 10 / M / 16V C1104 ECUX1E104ZFV 0.1 / Z / 25V C1105 ECUX1E104ZFV 0.1 / Z / 25V C1106 ECUX1E104ZFV 0.1 / Z / 25V C1107 ECUX1E104ZFV 0.1 / Z / 25V C1108 F2G1C1000014 10 / M / 16V C1109 ECUX1E104ZFV 0.1 / Z / 25V C1100 ECUX1E104ZFV 0.1 / Z / 25V C11010 F2G1C1000014 10 / M / 16V C1109 ECUX1E104ZFV 0.1 / Z / 25V C1110 F2G1C1000014 10 / M / 16V C1111 ECUX1E104ZFV 0.1 / Z / 25V C1112 ECUX1E104ZFV 0.1 / Z / 25V C1113 ECUX1E104ZFV 0.1 / Z / 25V C1114 ECUX1E104ZFV 0.1 / Z / 25V C1115 F2G1C1000014 10 / M / 16V C1116 ECUX1E104ZFV 0.1 / Z / 25V C1117 ECUX1E104ZFV 0.1 / Z / 25V C1118 ECUX1E104ZFV 0.1 / Z / 25V C1119 F2G1C1000014 10 / M / 16V C1110 F2G1C1000014 10 / M / 16V C1111 ECUX1E104ZFV 0.1 / Z / 25V C1112 ECUX1E104ZFV 0.1 / Z / 25V C1113 ECUX1E104ZFV 0.1 / Z / 25V C1114 ECUX1E104ZFV 0.1 / Z / 25V C1115 F2G1C1000014 10 / M / 16V C1120 F2G1C1000014 10 / M / 16V C1121 ECUX1E104ZFV 0.1 / Z / 25V C1122 ECUX1H102KBV 1000p / K / 50V C1123 ECUX1H470JCV 47p / J / 50V C1124 ECUX1H102KBV 1000p / K / 50V C1125 ECUX1E104ZFV 0.1 / Z / 25V C1126 ECUX1E104ZFV 0.1 / Z / 25V C1127 ECUX1E104ZFV 0.1 / Z / 25V C1127 ECUX1E104ZFV 0.1 / Z / 25V	C1093	ECUX1E104ZFV	0.1 / Z / 25V
C1096 ECUX1E104ZFV 0.1/Z/25V C1097 F2G1C1000014 10/M/16V C1098 ECUX1E104ZFV 0.1/Z/25V C1099 F2G1C1000014 10/M/16V C1100 ECUX1E104ZFV 0.1/Z/25V C1101 ECUX1E104ZFV 0.1/Z/25V C1102 ECUX1E104ZFV 0.1/Z/25V C1103 F2G1C1000014 10/M/16V C1104 ECUX1E104ZFV 0.1/Z/25V C1105 ECUX1E104ZFV 0.1/Z/25V C1106 ECUX1E104ZFV 0.1/Z/25V C1107 ECUX1E104ZFV 0.1/Z/25V C1108 F2G1C1000014 10/M/16V C1109 ECUX1E104ZFV 0.1/Z/25V C1110 F2G1C1000014 10/M/16V C1110 F2G1C1000014 10/M/16V C1111 ECUX1E104ZFV 0.1/Z/25V C1112 ECUX1E104ZFV 0.1/Z/25V C1113 ECUX1E104ZFV 0.1/Z/25V C1114 ECUX1E104ZFV 0.1/Z/25V C1115 F2G1C1000014 10/M/16V C1116 ECUX1E104ZFV 0.1/Z/25V C1117 ECUX1E104ZFV 0.1/Z/25V C1118 ECUX1E104ZFV 0.1/Z/25V C1119 F2G1C1000014 10/M/16V C1111 ECUX1E104ZFV 0.1/Z/25V C1112 ECUX1E104ZFV 0.1/Z/25V C1113 ECUX1E104ZFV 0.1/Z/25V C1114 ECUX1E104ZFV 0.1/Z/25V C1115 F2G1C1000014 10/M/16V C1116 ECUX1E104ZFV 0.1/Z/25V C1117 ECUX1E104ZFV 0.1/Z/25V C1118 ECUX1E104ZFV 0.1/Z/25V C1119 F2G1C1000014 10/M/16V C1120 F2G1C1000014 10/M/16V C1121 ECUX1E104ZFV 0.1/Z/25V C1122 ECUX1H102KBV 1000p/K/50V C1123 ECUX1H470JCV 47p/J/50V C1124 ECUX1H102KBV 1000p/K/50V C1125 ECUX1E104ZFV 0.1/Z/25V C1126 ECUX1E104ZFV 0.1/Z/25V C1127 ECUX1E104ZFV 0.1/Z/25V	C1094	ECUX1E104ZFV	0.1 / Z / 25V
C1097 F2G1C1000014 10 / M / 16V C1098 ECUX1E104ZFV 0.1 / Z / 25V C1099 F2G1C1000014 10 / M / 16V C1100 ECUX1E104ZFV 0.1 / Z / 25V C1101 ECUX1E104ZFV 0.1 / Z / 25V C1102 ECUX1E104ZFV 0.1 / Z / 25V C1103 F2G1C1000014 10 / M / 16V C1104 ECUX1E104ZFV 0.1 / Z / 25V C1105 ECUX1E104ZFV 0.1 / Z / 25V C1106 ECUX1E104ZFV 0.1 / Z / 25V C1107 ECUX1E104ZFV 0.1 / Z / 25V C1108 F2G1C1000014 10 / M / 16V C1109 ECUX1E104ZFV 0.1 / Z / 25V C1110 F2G1C1000014 10 / M / 16V C1110 F2G1C1000014 10 / M / 16V C1111 ECUX1E104ZFV 0.1 / Z / 25V C1112 ECUX1E104ZFV 0.1 / Z / 25V C1113 ECUX1E104ZFV 0.1 / Z / 25V C1114 ECUX1E104ZFV 0.1 / Z / 25V C1115 F2G1C1000014 10 / M / 16V C1116 ECUX1E104ZFV 0.1 / Z / 25V C1117 ECUX1E104ZFV 0.1 / Z / 25V C1118 ECUX1E104ZFV 0.1 / Z / 25V C1119 F2G1C1000014 10 / M / 16V C1116 ECUX1E104ZFV 0.1 / Z / 25V C1117 ECUX1E104ZFV 0.1 / Z / 25V C1118 ECUX1E104ZFV 0.1 / Z / 25V C1119 F2G1C1000014 10 / M / 16V C1120 F2G1C1000014 10 / M / 16V C1121 ECUX1E104ZFV 0.1 / Z / 25V C1122 ECUX1H102KBV 1000p / K / 50V C1123 ECUX1H470JCV 47p / J / 50V C1124 ECUX1E104ZFV 0.1 / Z / 25V C1125 ECUX1E104ZFV 0.1 / Z / 25V C1126 ECUX1E104ZFV 0.1 / Z / 25V C1127 ECUX1E104ZFV 0.1 / Z / 25V C1127 ECUX1E104ZFV 0.1 / Z / 25V	C1095	F2G1C1000014	10 / M / 16V
C1098 ECUX1E104ZFV 0.1/Z/25V C1099 F2G1C1000014 10 / M / 16V C1100 ECUX1E104ZFV 0.1/Z/25V C1101 ECUX1E104ZFV 0.1/Z/25V C1102 ECUX1E104ZFV 0.1/Z/25V C1103 F2G1C1000014 10 / M / 16V C1104 ECUX1E104ZFV 0.1/Z/25V C1105 ECUX1E104ZFV 0.1/Z/25V C1106 ECUX1E104ZFV 0.1/Z/25V C1107 ECUX1E104ZFV 0.1/Z/25V C1108 F2G1C1000014 10 / M / 16V C1109 ECUX1E104ZFV 0.1/Z/25V C1110 F2G1C1000014 10 / M / 16V C1111 ECUX1E104ZFV 0.1/Z/25V C1112 ECUX1E104ZFV 0.1/Z/25V C1114 ECUX1E104ZFV 0.1/Z/25V C1115 F2G1C1000014 10 / M / 16V C1116 ECUX1E104ZFV 0.1/Z/25V C1117 ECUX1E104ZFV 0.1/Z/25V C1118 ECUX1E104ZFV 0.1/Z/25V C1119 F2G1C1000014 10 / M / 16V C1116 ECUX1E104ZFV 0.1/Z/25V C1117 ECUX1E104ZFV 0.1/Z/25V C1118 ECUX1E104ZFV 0.1/Z/25V C1119 F2G1C1000014 10 / M / 16V C1120 F2G1C1000014 10 / M / 16V C1121 ECUX1E104ZFV 0.1/Z/25V C1122 ECUX1H102XFV 0.1/Z/25V C1123 ECUX1H102XFV 0.1/Z/25V C1124 ECUX1H102XFV 1000p/K/50V C1125 ECUX1H102XFV 0.1/Z/25V C1126 ECUX1E104ZFV 0.1/Z/25V C1127 ECUX1E104ZFV 0.1/Z/25V C1128 ECUX1H102XFV 0.1/Z/25V C1129 ECUX1H102XFV 0.1/Z/25V C1121 ECUX1E104ZFV 0.1/Z/25V C1122 ECUX1H102XFV 0.1/Z/25V C1123 ECUX1H102XFV 0.1/Z/25V C1124 ECUX1E104ZFV 0.1/Z/25V C1125 ECUX1E104ZFV 0.1/Z/25V	C1096	ECUX1E104ZFV	0.1 / Z / 25V
C1099 F2G1C1000014 10 / M / 16V C1100 ECUX1E104ZFV 0.1 / Z / 25V C1101 ECUX1E104ZFV 0.1 / Z / 25V C1102 ECUX1E104ZFV 0.1 / Z / 25V C1103 F2G1C1000014 10 / M / 16V C1104 ECUX1E104ZFV 0.1 / Z / 25V C1105 ECUX1E104ZFV 0.1 / Z / 25V C1106 ECUX1E104ZFV 0.1 / Z / 25V C1107 ECUX1E104ZFV 0.1 / Z / 25V C1108 F2G1C1000014 10 / M / 16V C1109 ECUX1E104ZFV 0.1 / Z / 25V C1110 F2G1C1000014 10 / M / 16V C1111 ECUX1E104ZFV 0.1 / Z / 25V C1112 ECUX1E104ZFV 0.1 / Z / 25V C1113 ECUX1E104ZFV 0.1 / Z / 25V C1114 ECUX1E104ZFV 0.1 / Z / 25V C1115 F2G1C1000014 10 / M / 16V C1116 ECUX1E104ZFV 0.1 / Z / 25V C1117 ECUX1E104ZFV 0.1 / Z / 25V C1118 ECUX1E104ZFV 0.1 / Z / 25V C1119 F2G1C1000014 10 / M / 16V C1110 ECUX1E104ZFV 0.1 / Z / 25V C1111 ECUX1E104ZFV 0.1 / Z / 25V C1112 ECUX1E104ZFV 0.1 / Z / 25V C1113 ECUX1E104ZFV 0.1 / Z / 25V C1114 ECUX1E104ZFV 0.1 / Z / 25V C1115 F2G1C1000014 10 / M / 16V C1116 ECUX1E104ZFV 0.1 / Z / 25V C1117 ECUX1E104ZFV 0.1 / Z / 25V C1118 ECUX1E104ZFV 0.1 / Z / 25V C1119 F2G1C1000014 10 / M / 16V C1120 ECUX1E104ZFV 0.1 / Z / 25V C1121 ECUX1E104ZFV 0.1 / Z / 25V C1122 ECUX1H102KBV 1000p / K / 50V C1123 ECUX1H470JCV 47p / J / 50V C1124 ECUX1E104ZFV 0.1 / Z / 25V C1125 ECUX1E104ZFV 0.1 / Z / 25V C1126 ECUX1E104ZFV 0.1 / Z / 25V C1127 ECUX1E104ZFV 0.1 / Z / 25V	C1097	F2G1C1000014	10 / M / 16V
C1100 ECUX1E104ZFV 0.1/Z/25V C1101 ECUX1E104ZFV 0.1/Z/25V C1102 ECUX1E104ZFV 0.1/Z/25V C1103 F2G1C1000014 10 / M / 16V C1104 ECUX1E104ZFV 0.1/Z/25V C1105 ECUX1E104ZFV 0.1/Z/25V C1106 ECUX1E104ZFV 0.1/Z/25V C1107 ECUX1E104ZFV 0.1/Z/25V C1108 F2G1C1000014 10 / M / 16V C1109 ECUX1E104ZFV 0.1/Z/25V C1110 F2G1C1000014 10 / M / 16V C1111 ECUX1E104ZFV 0.1/Z/25V C1112 ECUX1E104ZFV 0.1/Z/25V C1113 ECUX1E104ZFV 0.1/Z/25V C1114 ECUX1E104ZFV 0.1/Z/25V C1115 F2G1C1000014 10 / M / 16V C1116 ECUX1E104ZFV 0.1/Z/25V C1117 ECUX1E104ZFV 0.1/Z/25V C1118 ECUX1E104ZFV 0.1/Z/25V C1119 F2G1C1000014 10 / M / 16V C1110 ECUX1E104ZFV 0.1/Z/25V C1111 ECUX1E104ZFV 0.1/Z/25V C1112 ECUX1E104ZFV 0.1/Z/25V C1113 ECUX1E104ZFV 0.1/Z/25V C1114 ECUX1E104ZFV 0.1/Z/25V C1115 F2G1C1000014 10 / M / 16V C1116 ECUX1E104ZFV 0.1/Z/25V C1117 ECUX1E104ZFV 0.1/Z/25V C1118 ECUX1E104ZFV 0.1/Z/25V C1119 F2G1C1000014 10 / M / 16V C1120 F2G1C1000014 10 / M / 16V C1121 ECUX1E104ZFV 0.1/Z/25V C1122 ECUX1H102KBV 1000p / K / 50V C1123 ECUX1H470JCV 47p / J / 50V C1124 ECUX1E104ZFV 0.1/Z/25V C1125 ECUX1E104ZFV 0.1/Z/25V C1126 ECUX1E104ZFV 0.1/Z/25V	C1098	ECUX1E104ZFV	0.1 / Z / 25V
C1101 ECUX1E104ZFV 0.1/Z/25V C1102 ECUX1E104ZFV 0.1/Z/25V C1103 F2G1C1000014 10 / M / 16V C1104 ECUX1E104ZFV 0.1/Z/25V C1105 ECUX1E104ZFV 0.1/Z/25V C1106 ECUX1E104ZFV 0.1/Z/25V C1107 ECUX1E104ZFV 0.1/Z/25V C1108 F2G1C1000014 10 / M / 16V C1109 ECUX1E104ZFV 0.1/Z/25V C1110 F2G1C1000014 10 / M / 16V C1111 ECUX1E104ZFV 0.1/Z/25V C1112 ECUX1E104ZFV 0.1/Z/25V C1113 ECUX1E104ZFV 0.1/Z/25V C1114 ECUX1E104ZFV 0.1/Z/25V C1115 F2G1C1000014 10 / M / 16V C1116 ECUX1E104ZFV 0.1/Z/25V C1117 ECUX1E104ZFV 0.1/Z/25V C1118 ECUX1E104ZFV 0.1/Z/25V C1119 F2G1C1000014 10 / M / 16V C1110 F2G1C1000014 10 / M / 16V C1111 ECUX1E104ZFV 0.1/Z/25V C1112 ECUX1E104ZFV 0.1/Z/25V C1113 ECUX1E104ZFV 0.1/Z/25V C1114 ECUX1E104ZFV 0.1/Z/25V C1115 F2G1C1000014 10 / M / 16V C1116 ECUX1E104ZFV 0.1/Z/25V C1117 ECUX1E104ZFV 0.1/Z/25V C1118 ECUX1E104ZFV 0.1/Z/25V C1119 F2G1C1000014 10 / M / 16V C1120 F2G1C1000014 10 / M / 16V C1121 ECUX1E104ZFV 0.1/Z/25V C1122 ECUX1H102KBV 1000p / K / 50V C1123 ECUX1H102KBV 1000p / K / 50V C1124 ECUX1E104ZFV 0.1/Z/25V C1125 ECUX1E104ZFV 0.1/Z/25V C1126 ECUX1E104ZFV 0.1/Z/25V C1127 ECUX1E104ZFV 0.1/Z/25V	C1099	F2G1C1000014	10 / M / 16V
C1102 ECUX1E104ZFV 0.1/Z/25V C1103 F2G1C1000014 10/M/16V C1104 ECUX1E104ZFV 0.1/Z/25V C1105 ECUX1E104ZFV 0.1/Z/25V C1106 ECUX1E104ZFV 0.1/Z/25V C1107 ECUX1E104ZFV 0.1/Z/25V C1108 F2G1C1000014 10/M/16V C1109 ECUX1E104ZFV 0.1/Z/25V C1110 F2G1C1000014 10/M/16V C1111 ECUX1E104ZFV 0.1/Z/25V C1112 ECUX1E104ZFV 0.1/Z/25V C1113 ECUX1E104ZFV 0.1/Z/25V C1114 ECUX1E104ZFV 0.1/Z/25V C1115 F2G1C1000014 10/M/16V C1116 ECUX1E104ZFV 0.1/Z/25V C1117 ECUX1E104ZFV 0.1/Z/25V C1118 ECUX1E104ZFV 0.1/Z/25V C1119 F2G1C1000014 10/M/16V C1110 ECUX1E104ZFV 0.1/Z/25V C11118 ECUX1E104ZFV 0.1/Z/25V C1119 F2G1C1000014 10/M/16V C1120 F2G1C1000014 10/M/16V C1121 ECUX1E104ZFV 0.1/Z/25V C1122 ECUX1H102KBV 1000p/K/50V C1123 ECUX1H470JCV 47p/J/50V C1124 ECUX1E104ZFV 0.1/Z/25V C1125 ECUX1E104ZFV 0.1/Z/25V C1126 ECUX1E104ZFV 0.1/Z/25V C1127 ECUX1E104ZFV 0.1/Z/25V C1127 ECUX1E104ZFV 0.1/Z/25V	C1100	ECUX1E104ZFV	0.1 / Z / 25V
C1103 F2G1C1000014 10 / M / 16V C1104 ECUX1E104ZFV 0.1 / Z / 25V C1105 ECUX1E104ZFV 0.1 / Z / 25V C1106 ECUX1E104ZFV 0.1 / Z / 25V C1107 ECUX1E104ZFV 0.1 / Z / 25V C1108 F2G1C1000014 10 / M / 16V C1109 ECUX1E104ZFV 0.1 / Z / 25V C1110 F2G1C1000014 10 / M / 16V C1111 ECUX1E104ZFV 0.1 / Z / 25V C1112 ECUX1E104ZFV 0.1 / Z / 25V C1113 ECUX1E104ZFV 0.1 / Z / 25V C1114 ECUX1E104ZFV 0.1 / Z / 25V C1115 F2G1C1000014 10 / M / 16V C1116 ECUX1E104ZFV 0.1 / Z / 25V C1117 ECUX1E104ZFV 0.1 / Z / 25V C1118 ECUX1E104ZFV 0.1 / Z / 25V C1119 F2G1C1000014 10 / M / 16V C1110 F2G1C1000014 10 / M / 16V C1120 F2G1C1000014 10 / M / 16V C1121 ECUX1E104ZFV 0.1 / Z / 25V C1122 ECUX1H102KBV 1000p / K / 50V C1123 ECUX1H470JCV 47p / J / 50V C1124 ECUX1E104ZFV 0.1 / Z / 25V C1125 ECUX1E104ZFV 0.1 / Z / 25V C1126 ECUX1E104ZFV 0.1 / Z / 25V C1127 ECUX1E104ZFV 0.1 / Z / 25V C1128 ECUX1H402KBV 1000p / K / 50V	C1101	ECUX1E104ZFV	0.1 / Z / 25V
C1104 ECUX1E104ZFV 0.1/Z/25V C1105 ECUX1E104ZFV 0.1/Z/25V C1106 ECUX1E104ZFV 0.1/Z/25V C1107 ECUX1E104ZFV 0.1/Z/25V C1108 F2G1C1000014 10/M/16V C1109 ECUX1E104ZFV 0.1/Z/25V C1110 F2G1C1000014 10/M/16V C1111 ECUX1E104ZFV 0.1/Z/25V C1112 ECUX1E104ZFV 0.1/Z/25V C1113 ECUX1E104ZFV 0.1/Z/25V C1114 ECUX1E104ZFV 0.1/Z/25V C1115 F2G1C1000014 10/M/16V C1116 ECUX1E104ZFV 0.1/Z/25V C1117 ECUX1E104ZFV 0.1/Z/25V C1118 ECUX1E104ZFV 0.1/Z/25V C1119 F2G1C1000014 10/M/16V C1110 F2G1C1000014 10/M/16V C11110 F2G1C1000014 10/M/16V C11110 ECUX1E104ZFV 0.1/Z/25V C111110 F2G1C1000014 10/M/16V C111110 ECUX1E104ZFV 0.1/Z/25V C111110 ECUX1E104ZFV 0.1/Z/25V C111110 ECUX1E104ZFV 0.1/Z/25V C11111 ECUX1E104ZFV 0.1/Z/25V C11111 ECUX1E104ZFV 0.1/Z/25V C11120 ECUX1H102KBV 1000p/K/50V C1121 ECUX1H102KBV 1000p/K/50V C1122 ECUX1H102KBV 1000p/K/50V C1123 ECUX1H102KBV 1000p/K/50V C1125 ECUX1E104ZFV 0.1/Z/25V C1126 ECUX1E104ZFV 0.1/Z/25V C1127 ECUX1E104ZFV 0.1/Z/25V	C1102	ECUX1E104ZFV	0.1 / Z / 25V
C1105 ECUX1E104ZFV 0.1/Z/25V C1106 ECUX1E104ZFV 0.1/Z/25V C1107 ECUX1E104ZFV 0.1/Z/25V C1108 F2G1C1000014 10/M/16V C1109 ECUX1E104ZFV 0.1/Z/25V C1110 F2G1C1000014 10/M/16V C1111 ECUX1E104ZFV 0.1/Z/25V C1112 ECUX1E104ZFV 0.1/Z/25V C1113 ECUX1E104ZFV 0.1/Z/25V C1114 ECUX1E104ZFV 0.1/Z/25V C1115 F2G1C1000014 10/M/16V C1116 ECUX1E104ZFV 0.1/Z/25V C1117 ECUX1E104ZFV 0.1/Z/25V C1118 ECUX1E104ZFV 0.1/Z/25V C1119 F2G1C1000014 10/M/16V C1110 F2G1C1000014 10/M/16V C1120 ECUX1E104ZFV 0.1/Z/25V C1112 ECUX1E104ZFV 0.1/Z/25V C1121 ECUX1E104ZFV 0.1/Z/25V C1122 ECUX1H102KBV 1000p/K/50V C1123 ECUX1H470JCV 47p/J/50V C1124 ECUX1E104ZFV 0.1/Z/25V C1125 ECUX1E104ZFV 0.1/Z/25V C1126 ECUX1E104ZFV 0.1/Z/25V C1127 ECUX1E104ZFV 0.1/Z/25V	C1103	F2G1C1000014	10 / M / 16V
C1106 ECUX1E104ZFV 0.1/Z/25V C1107 ECUX1E104ZFV 0.1/Z/25V C1108 F2G1C1000014 10/M/16V C1109 ECUX1E104ZFV 0.1/Z/25V C1110 F2G1C1000014 10/M/16V C1111 ECUX1E104ZFV 0.1/Z/25V C1112 ECUX1E104ZFV 0.1/Z/25V C1113 ECUX1E104ZFV 0.1/Z/25V C1114 ECUX1E104ZFV 0.1/Z/25V C1115 F2G1C1000014 10/M/16V C1116 ECUX1E104ZFV 0.1/Z/25V C1117 ECUX1E104ZFV 0.1/Z/25V C1118 ECUX1E104ZFV 0.1/Z/25V C1119 F2G1C1000014 10/M/16V C1120 F2G1C1000014 10/M/16V C1121 ECUX1E104ZFV 0.1/Z/25V C1122 ECUX1H102KBV 1000p/K/50V C1123 ECUX1H470JCV 47p/J/50V C1124 ECUX1E104ZFV 0.1/Z/25V C1125 ECUX1E104ZFV 0.1/Z/25V C1126 ECUX1E104ZFV 0.1/Z/25V	C1104	ECUX1E104ZFV	0.1 / Z / 25V
C1107 ECUX1E104ZFV 0.1 / Z / 25V C1108 F2G1C1000014 10 / M / 16V C1109 ECUX1E104ZFV 0.1 / Z / 25V C1110 F2G1C1000014 10 / M / 16V C1111 ECUX1E104ZFV 0.1 / Z / 25V C1112 ECUX1E104ZFV 0.1 / Z / 25V C1113 ECUX1E104ZFV 0.1 / Z / 25V C1114 ECUX1E104ZFV 0.1 / Z / 25V C1115 F2G1C1000014 10 / M / 16V C1116 ECUX1E104ZFV 0.1 / Z / 25V C1117 ECUX1E104ZFV 0.1 / Z / 25V C1118 ECUX1E104ZFV 0.1 / Z / 25V C1119 F2G1C1000014 10 / M / 16V C1120 F2G1C1000014 10 / M / 16V C1121 ECUX1E104ZFV 0.1 / Z / 25V C1122 ECUX1H102KBV 1000p / K / 50V C1123 ECUX1H470JCV 47p / J / 50V C1124 ECUX1E104ZFV 0.1 / Z / 25V C1125 ECUX1E104ZFV 0.1 / Z / 25V C1126 ECUX1E104ZFV 0.1 / Z / 25V C1127 ECUX1E104ZFV 0.1 / Z / 25V	C1105	ECUX1E104ZFV	0.1 / Z / 25V
C1108 F2G1C1000014 10 / M / 16V C1109 ECUX1E104ZFV 0.1 / Z / 25V C1110 F2G1C1000014 10 / M / 16V C1111 ECUX1E104ZFV 0.1 / Z / 25V C1112 ECUX1E104ZFV 0.1 / Z / 25V C1113 ECUX1E104ZFV 0.1 / Z / 25V C1114 ECUX1E104ZFV 0.1 / Z / 25V C1115 F2G1C1000014 10 / M / 16V C1116 ECUX1E104ZFV 0.1 / Z / 25V C1117 ECUX1E104ZFV 0.1 / Z / 25V C1118 ECUX1E104ZFV 0.1 / Z / 25V C1119 F2G1C1000014 10 / M / 16V C1120 F2G1C1000014 10 / M / 16V C1121 ECUX1E104ZFV 0.1 / Z / 25V C1122 ECUX1H102KBV 1000p / K / 50V C1123 ECUX1H470JCV 47p / J / 50V C1124 ECUX1E104ZFV 0.1 / Z / 25V C1125 ECUX1E104ZFV 0.1 / Z / 25V C1126 ECUX1E104ZFV 0.1 / Z / 25V C1127 ECUX1E104ZFV 0.1 / Z / 25V	C1106	ECUX1E104ZFV	0.1 / Z / 25V
C1109 ECUX1E104ZFV 0.1/Z/25V C1110 F2G1C1000014 10/M/16V C1111 ECUX1E104ZFV 0.1/Z/25V C1112 ECUX1E104ZFV 0.1/Z/25V C1113 ECUX1E104ZFV 0.1/Z/25V C1114 ECUX1E104ZFV 0.1/Z/25V C1115 F2G1C1000014 10/M/16V C1116 ECUX1E104ZFV 0.1/Z/25V C1117 ECUX1E104ZFV 0.1/Z/25V C1118 ECUX1E104ZFV 0.1/Z/25V C1119 F2G1C1000014 10/M/16V C1120 F2G1C1000014 10/M/16V C1121 ECUX1E104ZFV 0.1/Z/25V C1122 ECUX1H102KBV 1000p/K/50V C1123 ECUX1H470JCV 47p/J/50V C1124 ECUX1E104ZFV 0.1/Z/25V C1125 ECUX1E104ZFV 0.1/Z/25V C1126 ECUX1E104ZFV 0.1/Z/25V C1127 ECUX1E104ZFV 0.1/Z/25V	C1107	ECUX1E104ZFV	0.1 / Z / 25V
C1110 F2G1C1000014 10 / M / 16V C1111 ECUX1E104ZFV 0.1 / Z / 25V C1112 ECUX1E104ZFV 0.1 / Z / 25V C1113 ECUX1E104ZFV 0.1 / Z / 25V C1114 ECUX1E104ZFV 0.1 / Z / 25V C1115 F2G1C1000014 10 / M / 16V C1116 ECUX1E104ZFV 0.1 / Z / 25V C1117 ECUX1E104ZFV 0.1 / Z / 25V C1118 ECUX1E104ZFV 0.1 / Z / 25V C1119 F2G1C1000014 10 / M / 16V C1120 F2G1C1000014 10 / M / 16V C1121 ECUX1E104ZFV 0.1 / Z / 25V C1122 ECUX1H102KBV 1000p / K / 50V C1123 ECUX1H470JCV 47p / J / 50V C1124 ECUX1E104ZFV 0.1 / Z / 25V C1125 ECUX1E104ZFV 0.1 / Z / 25V C1126 ECUX1E104ZFV 0.1 / Z / 25V C1127 ECUX1E104ZFV 0.1 / Z / 25V C1127 ECUX1E104ZFV 0.1 / Z / 25V	C1108	F2G1C1000014	10 / M / 16V
C1111 ECUX1E104ZFV 0.1 / Z / 25V C1112 ECUX1E104ZFV 0.1 / Z / 25V C1113 ECUX1E104ZFV 0.1 / Z / 25V C1114 ECUX1E104ZFV 0.1 / Z / 25V C1115 F2G1C1000014 10 / M / 16V C1116 ECUX1E104ZFV 0.1 / Z / 25V C1117 ECUX1E104ZFV 0.1 / Z / 25V C1118 ECUX1E104ZFV 0.1 / Z / 25V C1119 F2G1C1000014 10 / M / 16V C1120 F2G1C1000014 10 / M / 16V C1121 ECUX1E104ZFV 0.1 / Z / 25V C1122 ECUX1H102KBV 1000p / K / 50V C1123 ECUX1H470JCV 47p / J / 50V C1124 ECUX1E104ZFV 0.1 / Z / 25V C1125 ECUX1E104ZFV 0.1 / Z / 25V C1126 ECUX1E104ZFV 0.1 / Z / 25V C1127 ECUX1E104ZFV 0.1 / Z / 25V	C1109	ECUX1E104ZFV	0.1 / Z / 25V
C1112 ECUX1E104ZFV 0.1 / Z / 25V C1113 ECUX1E104ZFV 0.1 / Z / 25V C1114 ECUX1E104ZFV 0.1 / Z / 25V C1115 F2G1C1000014 10 / M / 16V C1116 ECUX1E104ZFV 0.1 / Z / 25V C1117 ECUX1E104ZFV 0.1 / Z / 25V C1118 ECUX1E104ZFV 0.1 / Z / 25V C1119 F2G1C1000014 10 / M / 16V C1120 F2G1C1000014 10 / M / 16V C1121 ECUX1E104ZFV 0.1 / Z / 25V C1122 ECUX1H102KBV 1000p / K / 50V C1123 ECUX1H470JCV 47p / J / 50V C1124 ECUX1H102KBV 1000p / K / 50V C1125 ECUX1E104ZFV 0.1 / Z / 25V C1126 ECUX1E104ZFV 0.1 / Z / 25V C1127 ECUX1E104ZFV 0.1 / Z / 25V	C1110	F2G1C1000014	10 / M / 16V
C1113 ECUX1E104ZFV 0.1 / Z / 25V C1114 ECUX1E104ZFV 0.1 / Z / 25V C1115 F2G1C1000014 10 / M / 16V C1116 ECUX1E104ZFV 0.1 / Z / 25V C1117 ECUX1E104ZFV 0.1 / Z / 25V C1118 ECUX1E104ZFV 0.1 / Z / 25V C1119 F2G1C1000014 10 / M / 16V C1120 F2G1C1000014 10 / M / 16V C1121 ECUX1E104ZFV 0.1 / Z / 25V C1122 ECUX1H102KBV 1000p / K / 50V C1123 ECUX1H470JCV 47p / J / 50V C1124 ECUX1E104ZFV 0.1 / Z / 25V C1125 ECUX1E104ZFV 0.1 / Z / 25V C1126 ECUX1E104ZFV 0.1 / Z / 25V C1127 ECUX1E104ZFV 0.1 / Z / 25V	C1111	ECUX1E104ZFV	0.1 / Z / 25V
C1114 ECUX1E104ZFV 0.1 / Z / 25V C1115 F2G1C1000014 10 / M / 16V C1116 ECUX1E104ZFV 0.1 / Z / 25V C1117 ECUX1E104ZFV 0.1 / Z / 25V C1118 ECUX1E104ZFV 0.1 / Z / 25V C1119 F2G1C1000014 10 / M / 16V C1120 F2G1C1000014 10 / M / 16V C1121 ECUX1E104ZFV 0.1 / Z / 25V C1122 ECUX1H102KBV 1000p / K / 50V C1123 ECUX1H470JCV 47p / J / 50V C1124 ECUX1H102KBV 1000p / K / 50V C1125 ECUX1E104ZFV 0.1 / Z / 25V C1126 ECUX1E104ZFV 0.1 / Z / 25V C1127 ECUX1E104ZFV 0.1 / Z / 25V ECUX1E104ZFV	C1112	ECUX1E104ZFV	0.1 / Z / 25V
C1115 F2G1C1000014 10 / M / 16V C1116 ECUX1E104ZFV 0.1 / Z / 25V C1117 ECUX1E104ZFV 0.1 / Z / 25V C1118 ECUX1E104ZFV 0.1 / Z / 25V C1119 F2G1C1000014 10 / M / 16V C1120 F2G1C1000014 10 / M / 16V C1121 ECUX1E104ZFV 0.1 / Z / 25V C1122 ECUX1H102KBV 1000p / K / 50V C1123 ECUX1H470JCV 47p / J / 50V C1124 ECUX1E104ZFV 0.1 / Z / 25V C1125 ECUX1E104ZFV 0.1 / Z / 25V C1126 ECUX1E104ZFV 0.1 / Z / 25V C1127 ECUX1E104ZFV 0.1 / Z / 25V	C1113	ECUX1E104ZFV	0.1 / Z / 25V
C1116 ECUX1E104ZFV 0.1 / Z / 25V C1117 ECUX1E104ZFV 0.1 / Z / 25V C1118 ECUX1E104ZFV 0.1 / Z / 25V C1119 F2G1C1000014 10 / M / 16V C1120 F2G1C1000014 10 / M / 16V C1121 ECUX1E104ZFV 0.1 / Z / 25V C1122 ECUX1H102KBV 1000p / K / 50V C1123 ECUX1H470JCV 47p / J / 50V C1124 ECUX1H102KBV 1000p / K / 50V C1125 ECUX1E104ZFV 0.1 / Z / 25V C1126 ECUX1E104ZFV 0.1 / Z / 25V C1127 ECUX1E104ZFV 0.1 / Z / 25V	C1114	ECUX1E104ZFV	0.1 / Z / 25V
C1117 ECUX1E104ZFV 0.1 / Z / 25V C1118 ECUX1E104ZFV 0.1 / Z / 25V C1119 F2G1C1000014 10 / M / 16V C1120 F2G1C1000014 10 / M / 16V C1121 ECUX1E104ZFV 0.1 / Z / 25V C1122 ECUX1H102KBV 1000p / K / 50V C1123 ECUX1H470JCV 47p / J / 50V C1124 ECUX1H102KBV 1000p / K / 50V C1125 ECUX1E104ZFV 0.1 / Z / 25V C1126 ECUX1E104ZFV 0.1 / Z / 25V C1127 ECUX1E104ZFV 0.1 / Z / 25V	C1115	F2G1C1000014	10 / M / 16V
C1118 ECUX1E104ZFV 0.1 / Z / 25V C1119 F2G1C1000014 10 / M / 16V C1120 F2G1C1000014 10 / M / 16V C1121 ECUX1E104ZFV 0.1 / Z / 25V C1122 ECUX1H102KBV 1000p / K / 50V C1123 ECUX1H470JCV 47p / J / 50V C1124 ECUX1H102KBV 1000p / K / 50V C1125 ECUX1E104ZFV 0.1 / Z / 25V C1126 ECUX1E104ZFV 0.1 / Z / 25V C1127 ECUX1E104ZFV 0.1 / Z / 25V	C1116	ECUX1E104ZFV	0.1 / Z / 25V
C1119 F2G1C1000014 10 / M / 16V C1120 F2G1C1000014 10 / M / 16V C1121 ECUX1E104ZFV 0.1 / Z / 25V C1122 ECUX1H102KBV 1000p / K / 50V C1123 ECUX1H470JCV 47p / J / 50V C1124 ECUX1H102KBV 1000p / K / 50V C1125 ECUX1E104ZFV 0.1 / Z / 25V C1126 ECUX1E104ZFV 0.1 / Z / 25V C1127 ECUX1E104ZFV 0.1 / Z / 25V	C1117	ECUX1E104ZFV	0.1 / Z / 25V
C1120 F2G1C1000014 10 / M / 16V C1121 ECUX1E104ZFV 0.1 / Z / 25V C1122 ECUX1H102KBV 1000p / K / 50V C1123 ECUX1H470JCV 47p / J / 50V C1124 ECUX1H102KBV 1000p / K / 50V C1125 ECUX1E104ZFV 0.1 / Z / 25V C1126 ECUX1E104ZFV 0.1 / Z / 25V C1127 ECUX1E104ZFV 0.1 / Z / 25V	C1118	ECUX1E104ZFV	0.1 / Z / 25V
C1121 ECUX1E104ZFV 0.1 / Z / 25V C1122 ECUX1H102KBV 1000p / K / 50V C1123 ECUX1H470JCV 47p / J / 50V C1124 ECUX1H102KBV 1000p / K / 50V C1125 ECUX1E104ZFV 0.1 / Z / 25V C1126 ECUX1E104ZFV 0.1 / Z / 25V C1127 ECUX1E104ZFV 0.1 / Z / 25V	C1119	F2G1C1000014	10 / M / 16V
C1122 ECUX1H102KBV 1000p / K / 50V C1123 ECUX1H470JCV 47p / J / 50V C1124 ECUX1H102KBV 1000p / K / 50V C1125 ECUX1E104ZFV 0.1 / Z / 25V C1126 ECUX1E104ZFV 0.1 / Z / 25V C1127 ECUX1E104ZFV 0.1 / Z / 25V	C1120	F2G1C1000014	10 / M / 16V
C1123 ECUX1H470JCV 47p / J / 50V C1124 ECUX1H102KBV 1000p / K / 50V C1125 ECUX1E104ZFV 0.1 / Z / 25V C1126 ECUX1E104ZFV 0.1 / Z / 25V C1127 ECUX1E104ZFV 0.1 / Z / 25V	C1121	ECUX1E104ZFV	0.1 / Z / 25V
C1124 ECUX1H102KBV 1000p / K / 50V C1125 ECUX1E104ZFV 0.1 / Z / 25V C1126 ECUX1E104ZFV 0.1 / Z / 25V C1127 ECUX1E104ZFV 0.1 / Z / 25V	C1122	ECUX1H102KBV	1000p / K / 50V
C1125 ECUX1E104ZFV 0.1 / Z / 25V C1126 ECUX1E104ZFV 0.1 / Z / 25V C1127 ECUX1E104ZFV 0.1 / Z / 25V	C1123	ECUX1H470JCV	47p / J / 50V
C1126 ECUX1E104ZFV 0.1 / Z / 25V C1127 ECUX1E104ZFV 0.1 / Z / 25V	C1124	ECUX1H102KBV	1000p / K / 50V
C1127 ECUX1E104ZFV 0.1 / Z / 25V	C1125	ECUX1E104ZFV	0.1 / Z / 25V
	C1126	ECUX1E104ZFV	0.1 / Z / 25V
C1128 ECUX1E104ZFV 0.1 / Z / 25V	C1127	ECUX1E104ZFV	0.1 / Z / 25V
, I	C1128	ECUX1E104ZFV	0.1 / Z / 25V

C1129	ECUX1E104ZFV	0.1 / Z / 25V
C1130	ECUX1H470JCV	47p / J / 50V
C1131	F2G0J4700012	47 / M / 6.3V
C1132	ECUX1E104ZFV	0.1 / Z / 25V
C1133	ECUX1E104ZFV	0.1 / Z / 25V
C1134	ECUX1E104ZFV	0.1 / Z / 25V
C1135	ECUX1E104ZFV	0.1 / Z / 25V
C1136	ECUX1E104ZFV	0.1 / Z / 25V
C1137	ECUX1E104ZFV	0.1 / Z / 25V
C1138	F2G0J4700012	47 / M / 6.3V
C1139	ECUX1E104ZFV	0.1 / Z / 25V
C1140	ECUX1E104ZFV	0.1 / Z / 25V
C1141	ECUX1E104ZFV	0.1 / Z / 25V
C1142	ECUX1E104ZFV	0.1 / Z / 25V
C1143	ECUX1E104ZFV	0.1 / Z / 25V
C1144	ECUX1E104ZFV	0.1 / Z / 25V
C1145	ECUX1E104ZFV	0.1 / Z / 25V
C1146	ECUX1E104ZFV	0.1 / Z / 25V
C1147	ECUX1E104ZFV	0.1 / Z / 25V
C1148	ECUX1E104ZFV	0.1 / Z / 25V
C1149	ECUX1E104ZFV	0.1 / Z / 25V
C1150	ECUX1E104ZFV	0.1 / Z / 25V
C1151	ECUX1E104ZFV	0.1 / Z / 25V
C1152	ECUX1E104ZFV	0.1 / Z / 25V
C1153	ECUX1E104ZFV	0.1 / Z / 25V
C1154	ECUX1E104ZFV	0.1 / Z / 25V
C1155	F2G1C1000014	10 / M / 16V
C1156	ECUX1E104ZFV	0.1 / Z / 25V
C1157	ECUX1E104ZFV	0.1 / Z / 25V
C1158	F2G1C1000014	10 / M / 16V
C1159	F2G1C1000014	10 / M / 16V
C1160	ECUX1E104ZFV	0.1 / Z / 25V
C1161	F2G1C1000014	10 / M / 16V
C1162	ECUX1E104ZFV	0.1 / Z / 25V
C1163	ECUX1E104ZFV	0.1 / Z / 25V
C1164	ECUX1E104ZFV	0.1 / Z / 25V
C1165	ECUX1E104ZFV	0.1 / Z / 25V
C1166	ECUX1E104ZFV	0.1 / Z / 25V
C1167	ECUX1E104ZFV	0.1 / Z / 25V

C1168 ECUX1E104ZFV 0.1/Z/25V C1169 ECUX1E104ZFV 0.1/Z/25V C1170 ECUX1E104ZFV 0.1/Z/25V C1171 ECUX1E104ZFV 0.1/Z/25V C1172 ECUX1E104ZFV 0.1/Z/25V C1173 F2G1C1000014 10/M/16V C1174 F2G1C1000014 10/M/16V C1175 ECUX1E104ZFV 0.1/Z/25V C1176 F2G1C1000014 10/M/16V C1177 ECUX1E104ZFV 0.1/Z/25V C1178 ECUX1E104ZFV 0.1/Z/25V C1179 F2G1C1000014 10/M/16V C1180 ECUX1E104ZFV 0.1/Z/25V C1181 F2G1C1000014 10/M/16V C1182 ECUX1E104ZFV 0.1/Z/25V C1183 F2G1C1000014 10/M/16V C1184 ECUX1E104ZFV 0.1/Z/25V C1185 ECUX1E104ZFV 0.1/Z/25V C1186 ECUX1E104ZFV 0.1/Z/25V C1187 F2G1C1000014 10/M/16V C1188 ECUX1E104ZFV 0.1/Z/25V C1189 ECUX1E104ZFV 0.1/Z/25V C1180 ECUX1E104ZFV 0.1/Z/25V C1181 F2G1C1000014 10/M/16V C1182 ECUX1E104ZFV 0.1/Z/25V C1183 F2G1C1000014 10/M/16V C1184 ECUX1E104ZFV 0.1/Z/25V C1185 ECUX1E104ZFV 0.1/Z/25V C1187 F2G1C1000014 10/M/16V C1188 ECUX1E104ZFV 0.1/Z/25V C1190 ECUX1E104ZFV 0.1/Z/25V C1191 ECUX1E104ZFV 0.1/Z/25V C1191 ECUX1E104ZFV 0.1/Z/25V C1192 F2G1C1000014 10/M/16V C1193 ECUX1E104ZFV 0.1/Z/25V C1194 F2G1C1000014 10/M/16V C1195 ECUX1E104ZFV 0.1/Z/25V C1196 ECUX1E104ZFV 0.1/Z/25V C1197 ECUX1E104ZFV 0.1/Z/25V C1198 ECUX1E104ZFV 0.1/Z/25V C1199 F2G1C1000014 10/M/16V C1190 ECUX1E104ZFV 0.1/Z/25V C1191 ECUX1E104ZFV 0.1/Z/25V C1192 ECUX1E104ZFV 0.1/Z/25V C1193 ECUX1E104ZFV 0.1/Z/25V C1194 F2G1C1000014 10/M/16V C1205 ECUX1E104ZFV 0.1/Z/25V C1207 ECUX1E104ZFV 0.1/Z/25V C1208 ECUX1E104ZFV 0.1/Z/25V C1209 ECUX1E104ZFV 0.1/Z/25V C1201 ECUX1E104ZFV 0.1/Z/25V C1202 ECUX1E104ZFV 0.1/Z/25V C1203 F2G1C1000014 10/M/16V C1204 F2G1C1000014 10/M/16V C1205 ECUX1E104ZFV 0.1/Z/25V C1206 ECUX1E104ZFV 0.1/Z/25V C1207 ECUX1E104ZFV 0.1/Z/25V C1208 ECUX1E104ZFV 0.1/Z/25V C1209 ECUX1E104ZFV 0.1/Z/25V C1200 ECUX1E104ZFV 0.1/Z/25V C1201 ECUX1E104ZFV 0.1/Z/25V C1202 ECUX1E104ZFV 0.1/Z/25V C1203 F2G1C1000014 10/M/16V C1204 F2G1C1000014 10/M/16V			
C1170 ECUX1E104ZFV 0.1/Z/25V C1171 ECUX1E104ZFV 0.1/Z/25V C1172 ECUX1E104ZFV 0.1/Z/25V C1173 F2G1C1000014 10/M/16V C1174 F2G1C1000014 10/M/16V C1175 ECUX1E104ZFV 0.1/Z/25V C1176 F2G1C1000014 10/M/16V C1177 ECUX1E104ZFV 0.1/Z/25V C1178 ECUX1E104ZFV 0.1/Z/25V C1179 F2G1C1000014 10/M/16V C1180 ECUX1E104ZFV 0.1/Z/25V C1181 F2G1C1000014 10/M/16V C1182 ECUX1E104ZFV 0.1/Z/25V C1183 F2G1C1000014 10/M/16V C1184 ECUX1E104ZFV 0.1/Z/25V C1185 ECUX1E104ZFV 0.1/Z/25V C1186 ECUX1E104ZFV 0.1/Z/25V C1187 F2G1C1000014 10/M/16V C1188 ECUX1E104ZFV 0.1/Z/25V C1189 ECUX1E104ZFV 0.1/Z/25V C1180 ECUX1E104ZFV 0.1/Z/25V C1181 ECUX1E104ZFV 0.1/Z/25V C1182 ECUX1E104ZFV 0.1/Z/25V C1183 F2G1C1000014 10/M/16V C1184 ECUX1E104ZFV 0.1/Z/25V C1185 ECUX1E104ZFV 0.1/Z/25V C1186 ECUX1E104ZFV 0.1/Z/25V C1187 F2G1C1000014 10/M/16V C1188 ECUX1E104ZFV 0.1/Z/25V C1199 ECUX1E104ZFV 0.1/Z/25V C1190 ECUX1E104ZFV 0.1/Z/25V C1191 ECUX1E104ZFV 0.1/Z/25V C1192 F2G1C1000014 10/M/16V C1193 ECUX1E104ZFV 0.1/Z/25V C1194 F2G1C1000014 10/M/16V C1195 ECUX1E104ZFV 0.1/Z/25V C1196 ECUX1E104ZFV 0.1/Z/25V C1197 ECUX1E104ZFV 0.1/Z/25V C1198 ECUX1E104ZFV 0.1/Z/25V C1199 F2G1C1000014 10/M/16V C1200 ECUX1E104ZFV 0.1/Z/25V C1201 ECUX1E104ZFV 0.1/Z/25V C1201 ECUX1E104ZFV 0.1/Z/25V C1202 ECUX1E104ZFV 0.1/Z/25V C1203 F2G1C1000014 10/M/16V C1204 F2G1C1000014 10/M/16V C1205 ECUX1E104ZFV 0.1/Z/25V	C1168	ECUX1E104ZFV	0.1 / Z / 25V
C1171 ECUX1E104ZFV 0.1/Z/25V C1172 ECUX1E104ZFV 0.1/Z/25V C1173 F2G1C1000014 10/M/16V C1174 F2G1C1000014 10/M/16V C1175 ECUX1E104ZFV 0.1/Z/25V C1176 F2G1C1000014 10/M/16V C1177 ECUX1E104ZFV 0.1/Z/25V C1178 ECUX1E104ZFV 0.1/Z/25V C1179 F2G1C1000014 10/M/16V C1180 ECUX1E104ZFV 0.1/Z/25V C1181 F2G1C1000014 10/M/16V C1182 ECUX1E104ZFV 0.1/Z/25V C1183 F2G1C1000014 10/M/16V C1184 ECUX1E104ZFV 0.1/Z/25V C1185 ECUX1E104ZFV 0.1/Z/25V C1186 ECUX1E104ZFV 0.1/Z/25V C1187 F2G1C1000014 10/M/16V C1188 ECUX1E104ZFV 0.1/Z/25V C1189 ECUX1E104ZFV 0.1/Z/25V C1180 ECUX1E104ZFV 0.1/Z/25V C1190 ECUX1E104ZFV 0.1/Z/25V C1191 ECUX1E104ZFV 0.1/Z/25V C1192 F2G1C1000014 10/M/16V C1193 ECUX1E104ZFV 0.1/Z/25V C1191 ECUX1E104ZFV 0.1/Z/25V C1191 ECUX1E104ZFV 0.1/Z/25V C1192 F2G1C1000014 10/M/16V C1193 ECUX1E104ZFV 0.1/Z/25V C1194 F2G1C1000014 10/M/16V C1195 ECUX1E104ZFV 0.1/Z/25V C1196 ECUX1E104ZFV 0.1/Z/25V C1197 ECUX1E104ZFV 0.1/Z/25V C1198 ECUX1E104ZFV 0.1/Z/25V C1199 F2G1C1000014 10/M/16V C1195 ECUX1E104ZFV 0.1/Z/25V C1196 ECUX1E104ZFV 0.1/Z/25V C1197 ECUX1E104ZFV 0.1/Z/25V C1198 ECUX1E104ZFV 0.1/Z/25V C1199 F2G1C1000014 10/M/16V C1200 ECUX1E104ZFV 0.1/Z/25V C1201 ECUX1E104ZFV 0.1/Z/25V C1202 ECUX1E104ZFV 0.1/Z/25V C1203 F2G1C1000014 10/M/16V C1204 F2G1C1000014 10/M/16V C1205 ECUX1E104ZFV 0.1/Z/25V	C1169	ECUX1E104ZFV	0.1 / Z / 25V
C1172 ECUX1E104ZFV 0.1 / Z / 25V C1174 F2G1C1000014 10 / M / 16V C1175 ECUX1E104ZFV 0.1 / Z / 25V C1176 F2G1C1000014 10 / M / 16V C1177 ECUX1E104ZFV 0.1 / Z / 25V C1178 ECUX1E104ZFV 0.1 / Z / 25V C1179 F2G1C1000014 10 / M / 16V C1180 ECUX1E104ZFV 0.1 / Z / 25V C1181 F2G1C1000014 10 / M / 16V C1182 ECUX1E104ZFV 0.1 / Z / 25V C1183 F2G1C1000014 10 / M / 16V C1184 ECUX1E104ZFV 0.1 / Z / 25V C1185 ECUX1E104ZFV 0.1 / Z / 25V C1186 ECUX1E104ZFV 0.1 / Z / 25V C1187 F2G1C1000014 10 / M / 16V C1188 ECUX1E104ZFV 0.1 / Z / 25V C1187 F2G1C1000014 10 / M / 16V C1188 ECUX1E104ZFV 0.1 / Z / 25V C1189 ECUX1E104ZFV 0.1 / Z / 25V C1190 ECUX1E104ZFV 0.1 / Z / 25V C1191 ECUX1E104ZFV 0.1 / Z / 25V C1192 F2G1C1000014 10 / M / 16V C1193 ECUX1E104ZFV 0.1 / Z / 25V C1194 F2G1C1000014 10 / M / 16V C1195 ECUX1E104ZFV 0.1 / Z / 25V C1196 ECUX1E104ZFV 0.1 / Z / 25V C1197 ECUX1E104ZFV 0.1 / Z / 25V C1198 ECUX1E104ZFV 0.1 / Z / 25V C1199 F2G1C1000014 10 / M / 16V C1200 ECUX1E104ZFV 0.1 / Z / 25V C1201 ECUX1E104ZFV 0.1 / Z / 25V C1202 ECUX1E104ZFV 0.1 / Z / 25V C1203 F2G1C1000014 10 / M / 16V C1204 F2G1C1000014 10 / M / 16V C1205 ECUX1E104ZFV 0.1 / Z / 25V C1203 E2G1C1000014 10 / M / 16V C1204 F2G1C1000014 10 / M / 16V C1205 ECUX1E104ZFV 0.1 / Z / 25V C1205 ECUX1E104ZFV 0.1 / Z / 25V C1206 ECUX1E104ZFV 0.1 / Z / 25V C1207 ECUX1E104ZFV 0.1 / Z / 25V C1208 ECUX1E104ZFV 0.1 / Z / 25V C1209 ECUX1E104ZFV 0.1 / Z / 25V C1200 ECUX1E104ZFV 0.1 / Z / 25V C1201 ECUX1E104ZFV 0.1 / Z / 25V C1202 ECUX1E104ZFV 0.1 / Z / 25V C1203 ECUX1E104ZFV 0.1 / Z / 25V C1205 ECUX1E104ZFV 0.1 / Z / 25V C1205 ECUX1E104ZFV 0.1 / Z /	C1170	ECUX1E104ZFV	0.1 / Z / 25V
C1173 F2G1C1000014 10 / M / 16V C1174 F2G1C1000014 10 / M / 16V C1175 ECUX1E104ZFV 0.1 / Z / 25V C1176 F2G1C1000014 10 / M / 16V C1177 ECUX1E104ZFV 0.1 / Z / 25V C1178 ECUX1E104ZFV 0.1 / Z / 25V C1179 F2G1C1000014 10 / M / 16V C1180 ECUX1E104ZFV 0.1 / Z / 25V C1181 F2G1C1000014 10 / M / 16V C1182 ECUX1E104ZFV 0.1 / Z / 25V C1183 F2G1C1000014 10 / M / 16V C1184 ECUX1E104ZFV 0.1 / Z / 25V C1185 ECUX1E104ZFV 0.1 / Z / 25V C1186 ECUX1E104ZFV 0.1 / Z / 25V C1187 F2G1C1000014 10 / M / 16V C1188 ECUX1E104ZFV 0.1 / Z / 25V C1188 ECUX1E104ZFV 0.1 / Z / 25V C1189 ECUX1E104ZFV 0.1 / Z / 25V C1190 ECUX1E104ZFV 0.1 / Z / 25V C1191 ECUX1E104ZFV 0.1 / Z / 25V C1192 F2G1C1000014 10 / M / 16V C1193 ECUX1E104ZFV 0.1 / Z / 25V C1194 F2G1C1000014 10 / M / 16V C1195 ECUX1E104ZFV 0.1 / Z / 25V C1196 ECUX1E104ZFV 0.1 / Z / 25V C1197 ECUX1E104ZFV 0.1 / Z / 25V C1198 ECUX1E104ZFV 0.1 / Z / 25V C1199 F2G1C1000014 10 / M / 16V C1191 ECUX1E104ZFV 0.1 / Z / 25V C1192 ECUX1E104ZFV 0.1 / Z / 25V C1193 ECUX1E104ZFV 0.1 / Z / 25V C1194 F2G1C1000014 10 / M / 16V C1195 ECUX1E104ZFV 0.1 / Z / 25V C1197 ECUX1E104ZFV 0.1 / Z / 25V C1199 F2G1C1000014 10 / M / 16V C1200 ECUX1E104ZFV 0.1 / Z / 25V C1201 ECUX1E104ZFV 0.1 / Z / 25V C1201 ECUX1E104ZFV 0.1 / Z / 25V C1202 ECUX1E104ZFV 0.1 / Z / 25V C1203 F2G1C1000014 10 / M / 16V C1204 F2G1C1000014 10 / M / 16V C1205 ECUX1E104ZFV 0.1 / Z / 25V	C1171	ECUX1E104ZFV	0.1 / Z / 25V
C1174 F2G1C1000014 10 / M / 16V C1175 ECUX1E104ZFV 0.1 / Z / 25V C1176 F2G1C1000014 10 / M / 16V C1177 ECUX1E104ZFV 0.1 / Z / 25V C1178 ECUX1E104ZFV 0.1 / Z / 25V C1179 F2G1C1000014 10 / M / 16V C1180 ECUX1E104ZFV 0.1 / Z / 25V C1181 F2G1C1000014 10 / M / 16V C1182 ECUX1E104ZFV 0.1 / Z / 25V C1183 F2G1C1000014 10 / M / 16V C1184 ECUX1E104ZFV 0.1 / Z / 25V C1185 ECUX1E104ZFV 0.1 / Z / 25V C1186 ECUX1E104ZFV 0.1 / Z / 25V C1187 F2G1C1000014 10 / M / 16V C1188 ECUX1E104ZFV 0.1 / Z / 25V C1189 ECUX1E104ZFV 0.1 / Z / 25V C1190 ECUX1E104ZFV 0.1 / Z / 25V C1191 ECUX1E104ZFV 0.1 / Z / 25V C1192 F2G1C1000014 10 / M / 16V C1193 ECUX1E104ZFV 0.1 / Z / 25V C1194 F2G1C1000014 10 / M / 16V C1195 ECUX1E104ZFV 0.1 / Z / 25V C1196 ECUX1E104ZFV 0.1 / Z / 25V C1197 ECUX1E104ZFV 0.1 / Z / 25V C1198 ECUX1E104ZFV 0.1 / Z / 25V C1199 F2G1C1000014 10 / M / 16V C1191 ECUX1E104ZFV 0.1 / Z / 25V C1192 F2G1C1000014 10 / M / 16V C1193 ECUX1E104ZFV 0.1 / Z / 25V C1194 F2G1C1000014 10 / M / 16V C1195 ECUX1E104ZFV 0.1 / Z / 25V C1196 ECUX1E104ZFV 0.1 / Z / 25V C1197 ECUX1E104ZFV 0.1 / Z / 25V C1198 ECUX1E104ZFV 0.1 / Z / 25V C1199 F2G1C1000014 10 / M / 16V C1200 ECUX1E104ZFV 0.1 / Z / 25V C1201 ECUX1E104ZFV 0.1 / Z / 25V C1202 ECUX1E104ZFV 0.1 / Z / 25V C1203 F2G1C1000014 10 / M / 16V C1204 F2G1C1000014 10 / M / 16V C1205 ECUX1E104ZFV 0.1 / Z / 25V	C1172	ECUX1E104ZFV	0.1 / Z / 25V
C1175 ECUX1E104ZFV 0.1/Z/25V C1176 F2G1C1000014 10/M/16V C1177 ECUX1E104ZFV 0.1/Z/25V C1178 ECUX1E104ZFV 0.1/Z/25V C1179 F2G1C1000014 10/M/16V C1180 ECUX1E104ZFV 0.1/Z/25V C1181 F2G1C1000014 10/M/16V C1182 ECUX1E104ZFV 0.1/Z/25V C1183 F2G1C1000014 10/M/16V C1184 ECUX1E104ZFV 0.1/Z/25V C1185 ECUX1E104ZFV 0.1/Z/25V C1186 ECUX1E104ZFV 0.1/Z/25V C1187 F2G1C1000014 10/M/16V C1188 ECUX1E104ZFV 0.1/Z/25V C1189 ECUX1E104ZFV 0.1/Z/25V C1190 ECUX1E104ZFV 0.1/Z/25V C1191 ECUX1E104ZFV 0.1/Z/25V C1192 F2G1C1000014 10/M/16V C1193 ECUX1E104ZFV 0.1/Z/25V C1194 F2G1C1000014 10/M/16V C1195 ECUX1E104ZFV 0.1/Z/25V C1196 ECUX1E104ZFV 0.1/Z/25V C1197 ECUX1E104ZFV 0.1/Z/25V C1198 ECUX1E104ZFV 0.1/Z/25V C1199 F2G1C1000014 10/M/16V C1195 ECUX1E104ZFV 0.1/Z/25V C1196 ECUX1E104ZFV 0.1/Z/25V C1197 ECUX1E104ZFV 0.1/Z/25V C1198 ECUX1E104ZFV 0.1/Z/25V C1199 F2G1C1000014 10/M/16V C1200 ECUX1E104ZFV 0.1/Z/25V C1201 ECUX1E104ZFV 0.1/Z/25V C1202 ECUX1E104ZFV 0.1/Z/25V C1203 F2G1C1000014 10/M/16V C1204 F2G1C1000014 10/M/16V C1205 ECUX1E104ZFV 0.1/Z/25V C1207 ECUX1E104ZFV 0.1/Z/25V C1208 ECUX1E104ZFV 0.1/Z/25V C1209 ECUX1E104ZFV 0.1/Z/25V C1200 ECUX1E104ZFV 0.1/Z/25V C1201 ECUX1E104ZFV 0.1/Z/25V C1202 ECUX1E104ZFV 0.1/Z/25V C1203 F2G1C1000014 10/M/16V C1204 F2G1C1000014 10/M/16V	C1173	F2G1C1000014	10 / M / 16V
C1176 F2G1C1000014 10 / M / 16V C1177 ECUX1E104ZFV 0.1 / Z / 25V C1178 ECUX1E104ZFV 0.1 / Z / 25V C1179 F2G1C1000014 10 / M / 16V C1180 ECUX1E104ZFV 0.1 / Z / 25V C1181 F2G1C1000014 10 / M / 16V C1182 ECUX1E104ZFV 0.1 / Z / 25V C1183 F2G1C1000014 10 / M / 16V C1184 ECUX1E104ZFV 0.1 / Z / 25V C1185 ECUX1E104ZFV 0.1 / Z / 25V C1186 ECUX1E104ZFV 0.1 / Z / 25V C1187 F2G1C1000014 10 / M / 16V C1188 ECUX1E104ZFV 0.1 / Z / 25V C1189 ECUX1E104ZFV 0.1 / Z / 25V C1190 ECUX1E104ZFV 0.1 / Z / 25V C1191 ECUX1E104ZFV 0.1 / Z / 25V C1192 F2G1C1000014 10 / M / 16V C1193 ECUX1E104ZFV 0.1 / Z / 25V C1194 F2G1C1000014 10 / M / 16V C1195 ECUX1E104ZFV 0.1 / Z / 25V C1196 ECUX1E104ZFV 0.1 / Z / 25V C1197 ECUX1E104ZFV 0.1 / Z / 25V C1198 ECUX1E104ZFV 0.1 / Z / 25V C1199 F2G1C1000014 10 / M / 16V C1195 ECUX1E104ZFV 0.1 / Z / 25V C1196 ECUX1E104ZFV 0.1 / Z / 25V C1197 ECUX1E104ZFV 0.1 / Z / 25V C1198 ECUX1E104ZFV 0.1 / Z / 25V C1199 F2G1C1000014 10 / M / 16V C1200 ECUX1E104ZFV 0.1 / Z / 25V C1201 ECUX1E104ZFV 0.1 / Z / 25V C1202 ECUX1E104ZFV 0.1 / Z / 25V C1203 F2G1C1000014 10 / M / 16V C1204 F2G1C1000014 10 / M / 16V C1205 ECUX1E104ZFV 0.1 / Z / 25V C1207 ECUX1E104ZFV 0.1 / Z / 25V C1208 ECUX1E104ZFV 0.1 / Z / 25V C1209 ECUX1E104ZFV 0.1 / Z / 25V C1200 ECUX1E104ZFV 0.1 / Z / 25V C1201 ECUX1E104ZFV 0.1 / Z / 25V C1202 ECUX1E104ZFV 0.1 / Z / 25V C1203 F2G1C1000014 10 / M / 16V C1204 F2G1C1000014 10 / M / 16V	C1174	F2G1C1000014	10 / M / 16V
C1177 ECUX1E104ZFV 0.1/Z/25V C1178 ECUX1E104ZFV 0.1/Z/25V C1179 F2G1C1000014 10 / M / 16V C1180 ECUX1E104ZFV 0.1/Z/25V C1181 F2G1C1000014 10 / M / 16V C1182 ECUX1E104ZFV 0.1/Z/25V C1183 F2G1C1000014 10 / M / 16V C1184 ECUX1E104ZFV 0.1/Z/25V C1185 ECUX1E104ZFV 0.1/Z/25V C1186 ECUX1E104ZFV 0.1/Z/25V C1187 F2G1C1000014 10 / M / 16V C1188 ECUX1E104ZFV 0.1/Z/25V C1189 ECUX1E104ZFV 0.1/Z/25V C1190 ECUX1E104ZFV 0.1/Z/25V C1191 ECUX1E104ZFV 0.1/Z/25V C1192 F2G1C1000014 10 / M / 16V C1193 ECUX1E104ZFV 0.1/Z/25V C1194 F2G1C1000014 10 / M / 16V C1195 ECUX1E104ZFV 0.1/Z/25V C1196 ECUX1E104ZFV 0.1/Z/25V C1197 ECUX1E104ZFV 0.1/Z/25V C1198 ECUX1E104ZFV 0.1/Z/25V C1199 F2G1C1000014 10 / M / 16V C1195 ECUX1E104ZFV 0.1/Z/25V C1196 ECUX1E104ZFV 0.1/Z/25V C1197 ECUX1E104ZFV 0.1/Z/25V C1198 ECUX1E104ZFV 0.1/Z/25V C1199 F2G1C1000014 10 / M / 16V C1200 ECUX1E104ZFV 0.1/Z/25V C1201 ECUX1E104ZFV 0.1/Z/25V C1201 ECUX1E104ZFV 0.1/Z/25V C1201 ECUX1E104ZFV 0.1/Z/25V C1201 ECUX1E104ZFV 0.1/Z/25V C1202 ECUX1E104ZFV 0.1/Z/25V C1203 F2G1C1000014 10 / M / 16V C1204 F2G1C1000014 10 / M / 16V C1205 ECUX1E104ZFV 0.1/Z/25V	C1175	ECUX1E104ZFV	0.1 / Z / 25V
C1178	C1176	F2G1C1000014	10 / M / 16V
C1179 F2G1C1000014 10 / M / 16V C1180 ECUX1E104ZFV 0.1 / Z / 25V C1181 F2G1C1000014 10 / M / 16V C1182 ECUX1E104ZFV 0.1 / Z / 25V C1183 F2G1C1000014 10 / M / 16V C1184 ECUX1E104ZFV 0.1 / Z / 25V C1185 ECUX1E104ZFV 0.1 / Z / 25V C1186 ECUX1E104ZFV 0.1 / Z / 25V C1187 F2G1C1000014 10 / M / 16V C1188 ECUX1E104ZFV 0.1 / Z / 25V C1189 ECUX1E104ZFV 0.1 / Z / 25V C1190 ECUX1E104ZFV 0.1 / Z / 25V C1191 ECUX1E104ZFV 0.1 / Z / 25V C1192 F2G1C1000014 10 / M / 16V C1193 ECUX1E104ZFV 0.1 / Z / 25V C1194 F2G1C1000014 10 / M / 16V C1195 ECUX1E104ZFV 0.1 / Z / 25V C1196 ECUX1E104ZFV 0.1 / Z / 25V C1197 ECUX1E104ZFV 0.1 / Z / 25V C1198 ECUX1E104ZFV 0.1 / Z / 25V C1199 F2G1C1000014 10 / M / 16V C1199 ECUX1E104ZFV 0.1 / Z / 25V C1100 ECUX1E104ZFV 0.1 / Z / 25V C1201 ECUX1E104ZFV 0.1 / Z / 25V C1201 ECUX1E104ZFV 0.1 / Z / 25V C1201 ECUX1E104ZFV 0.1 / Z / 25V C1202 ECUX1E104ZFV 0.1 / Z / 25V C1203 F2G1C1000014 10 / M / 16V C1204 F2G1C1000014 10 / M / 16V C1205 ECUX1E104ZFV 0.1 / Z / 25V	C1177	ECUX1E104ZFV	0.1 / Z / 25V
C1180 ECUX1E104ZFV 0.1/Z/25V C1181 F2G1C1000014 10/M/16V C1182 ECUX1E104ZFV 0.1/Z/25V C1183 F2G1C1000014 10/M/16V C1184 ECUX1E104ZFV 0.1/Z/25V C1185 ECUX1E104ZFV 0.1/Z/25V C1186 ECUX1E104ZFV 0.1/Z/25V C1187 F2G1C1000014 10/M/16V C1188 ECUX1E104ZFV 0.1/Z/25V C1189 ECUX1E104ZFV 0.1/Z/25V C1190 ECUX1E104ZFV 0.1/Z/25V C1191 ECUX1E104ZFV 0.1/Z/25V C1192 F2G1C1000014 10/M/16V C1193 ECUX1E104ZFV 0.1/Z/25V C1194 F2G1C1000014 10/M/16V C1195 ECUX1E104ZFV 0.1/Z/25V C1197 ECUX1E104ZFV 0.1/Z/25V C1198 ECUX1E104ZFV 0.1/Z/25V C1199 F2G1C1000014 10/M/16V C1106 ECUX1E104ZFV 0.1/Z/25V C1197 ECUX1E104ZFV 0.1/Z/25V C1198 ECUX1E104ZFV 0.1/Z/25V C1199 F2G1C1000014 10/M/16V C1200 ECUX1E104ZFV 0.1/Z/25V C1201 ECUX1E104ZFV 0.1/Z/25V C1202 ECUX1E104ZFV 0.1/Z/25V C1203 F2G1C1000014 10/M/16V C1204 F2G1C1000014 10/M/16V C1205 ECUX1E104ZFV 0.1/Z/25V	C1178	ECUX1E104ZFV	0.1 / Z / 25V
C1181 F2G1C1000014 10 / M / 16V C1182 ECUX1E104ZFV 0.1 / Z / 25V C1183 F2G1C1000014 10 / M / 16V C1184 ECUX1E104ZFV 0.1 / Z / 25V C1185 ECUX1E104ZFV 0.1 / Z / 25V C1186 ECUX1E104ZFV 0.1 / Z / 25V C1187 F2G1C1000014 10 / M / 16V C1188 ECUX1E104ZFV 0.1 / Z / 25V C1189 ECUX1E104ZFV 0.1 / Z / 25V C1190 ECUX1E104ZFV 0.1 / Z / 25V C1191 ECUX1E104ZFV 0.1 / Z / 25V C1192 F2G1C1000014 10 / M / 16V C1193 ECUX1E104ZFV 0.1 / Z / 25V C1194 F2G1C1000014 10 / M / 16V C1195 ECUX1E104ZFV 0.1 / Z / 25V C1196 ECUX1E104ZFV 0.1 / Z / 25V C1197 ECUX1E104ZFV 0.1 / Z / 25V C1198 ECUX1E104ZFV 0.1 / Z / 25V C1199 F2G1C1000014 10 / M / 16V C1200 ECUX1E104ZFV 0.1 / Z / 25V C1201 ECUX1E104ZFV 0.1 / Z / 25V C1202 ECUX1E104ZFV 0.1 / Z / 25V C1203 F2G1C1000014 10 / M / 16V C1204 F2G1C1000014 10 / M / 16V C1205 ECUX1E104ZFV 0.1 / Z / 25V	C1179	F2G1C1000014	10 / M / 16V
C1182 ECUX1E104ZFV 0.1/Z/25V C1183 F2G1C1000014 10/M/16V C1184 ECUX1E104ZFV 0.1/Z/25V C1185 ECUX1E104ZFV 0.1/Z/25V C1186 ECUX1E104ZFV 0.1/Z/25V C1187 F2G1C1000014 10/M/16V C1188 ECUX1E104ZFV 0.1/Z/25V C1189 ECUX1E104ZFV 0.1/Z/25V C1190 ECUX1E104ZFV 0.1/Z/25V C1191 ECUX1E104ZFV 0.1/Z/25V C1192 F2G1C1000014 10/M/16V C1193 ECUX1E104ZFV 0.1/Z/25V C1194 F2G1C1000014 10/M/16V C1195 ECUX1E104ZFV 0.1/Z/25V C1196 ECUX1E104ZFV 0.1/Z/25V C1197 ECUX1E104ZFV 0.1/Z/25V C1198 ECUX1E104ZFV 0.1/Z/25V C1199 F2G1C1000014 10/M/16V C1200 ECUX1E104ZFV 0.1/Z/25V C1201 ECUX1E104ZFV 0.1/Z/25V C1201 ECUX1E104ZFV 0.1/Z/25V C1202 ECUX1E104ZFV 0.1/Z/25V C1203 F2G1C1000014 10/M/16V C1204 F2G1C1000014 10/M/16V C1205 ECUX1E104ZFV 0.1/Z/25V	C1180	ECUX1E104ZFV	0.1 / Z / 25V
C1183 F2G1C1000014 10 / M / 16V C1184 ECUX1E104ZFV 0.1 / Z / 25V C1185 ECUX1E104ZFV 0.1 / Z / 25V C1186 ECUX1E104ZFV 0.1 / Z / 25V C1187 F2G1C1000014 10 / M / 16V C1188 ECUX1E104ZFV 0.1 / Z / 25V C1189 ECUX1E104ZFV 0.1 / Z / 25V C1190 ECUX1E104ZFV 0.1 / Z / 25V C1191 ECUX1E104ZFV 0.1 / Z / 25V C1192 F2G1C1000014 10 / M / 16V C1193 ECUX1E104ZFV 0.1 / Z / 25V C1194 F2G1C1000014 10 / M / 16V C1195 ECUX1E104ZFV 0.1 / Z / 25V C1196 ECUX1E104ZFV 0.1 / Z / 25V C1197 ECUX1E104ZFV 0.1 / Z / 25V C1198 ECUX1E104ZFV 0.1 / Z / 25V C1199 F2G1C1000014 10 / M / 16V C1200 ECUX1E104ZFV 0.1 / Z / 25V C1201 ECUX1E104ZFV 0.1 / Z / 25V C1202 ECUX1E104ZFV 0.1 / Z / 25V C1203 F2G1C1000014 10 / M / 16V C1204 F2G1C1000014 10 / M / 16V C1205 ECUX1E104ZFV 0.1 / Z / 25V C1205 ECUX1E104ZFV 0.1 / Z / 25V C1207 ECUX1E104ZFV 0.1 / Z / 25V C1208 ECUX1E104ZFV 0.1 / Z / 25V C1209 ECUX1E104ZFV 0.1 / Z / 25V C1201 ECUX1E104ZFV 0.1 / Z / 25V C1202 ECUX1E104ZFV 0.1 / Z / 25V C1203 F2G1C1000014 10 / M / 16V C1204 F2G1C1000014 10 / M / 16V C1205 ECUX1E104ZFV 0.1 / Z / 25V	C1181	F2G1C1000014	10 / M / 16V
C1184 ECUX1E104ZFV 0.1/Z/25V C1185 ECUX1E104ZFV 0.1/Z/25V C1186 ECUX1E104ZFV 0.1/Z/25V C1187 F2G1C1000014 10/M/16V C1188 ECUX1E104ZFV 0.1/Z/25V C1189 ECUX1E104ZFV 0.1/Z/25V C1190 ECUX1E104ZFV 0.1/Z/25V C1191 ECUX1E104ZFV 0.1/Z/25V C1192 F2G1C1000014 10/M/16V C1193 ECUX1E104ZFV 0.1/Z/25V C1194 F2G1C1000014 10/M/16V C1195 ECUX1E104ZFV 0.1/Z/25V C1196 ECUX1E104ZFV 0.1/Z/25V C1197 ECUX1E104ZFV 0.1/Z/25V C1198 ECUX1E104ZFV 0.1/Z/25V C1199 F2G1C1000014 10/M/16V C1200 ECUX1E104ZFV 0.1/Z/25V C1201 ECUX1E104ZFV 0.1/Z/25V C1202 ECUX1E104ZFV 0.1/Z/25V C1203 F2G1C1000014 10/M/16V C1204 F2G1C1000014 10/M/16V C1205 ECUX1E104ZFV 0.1/Z/25V	C1182	ECUX1E104ZFV	0.1 / Z / 25V
C1185 ECUX1E104ZFV 0.1 / Z / 25V C1186 ECUX1E104ZFV 0.1 / Z / 25V C1187 F2G1C1000014 10 / M / 16V C1188 ECUX1E104ZFV 0.1 / Z / 25V C1189 ECUX1E104ZFV 0.1 / Z / 25V C1190 ECUX1E104ZFV 0.1 / Z / 25V C1191 ECUX1E104ZFV 0.1 / Z / 25V C1192 F2G1C1000014 10 / M / 16V C1193 ECUX1E104ZFV 0.1 / Z / 25V C1194 F2G1C1000014 10 / M / 16V C1195 ECUX1E104ZFV 0.1 / Z / 25V C1196 ECUX1E104ZFV 0.1 / Z / 25V C1197 ECUX1E104ZFV 0.1 / Z / 25V C1198 ECUX1E104ZFV 0.1 / Z / 25V C1199 F2G1C1000014 10 / M / 16V C1200 ECUX1E104ZFV 0.1 / Z / 25V C1201 ECUX1E104ZFV 0.1 / Z / 25V C1202 ECUX1E104ZFV 0.1 / Z / 25V C1203 F2G1C1000014 10 / M / 16V C1204 F2G1C1000014 10 / M / 16V C1205 ECUX1E104ZFV 0.1 / Z / 25V	C1183	F2G1C1000014	10 / M / 16V
C1186 ECUX1E104ZFV 0.1 / Z / 25V C1187 F2G1C1000014 10 / M / 16V C1188 ECUX1E104ZFV 0.1 / Z / 25V C1189 ECUX1E104ZFV 0.1 / Z / 25V C1190 ECUX1E104ZFV 0.1 / Z / 25V C1191 ECUX1E104ZFV 0.1 / Z / 25V C1192 F2G1C1000014 10 / M / 16V C1193 ECUX1E104ZFV 0.1 / Z / 25V C1194 F2G1C1000014 10 / M / 16V C1195 ECUX1E104ZFV 0.1 / Z / 25V C1196 ECUX1E104ZFV 0.1 / Z / 25V C1197 ECUX1E104ZFV 0.1 / Z / 25V C1198 ECUX1E104ZFV 0.1 / Z / 25V C1199 F2G1C1000014 10 / M / 16V C1200 ECUX1E104ZFV 0.1 / Z / 25V C1201 ECUX1E104ZFV 0.1 / Z / 25V C1202 ECUX1E104ZFV 0.1 / Z / 25V C1203 F2G1C1000014 10 / M / 16V C1204 F2G1C1000014 10 / M / 16V C1205 ECUX1E104ZFV 0.1 / Z / 25V	C1184	ECUX1E104ZFV	0.1 / Z / 25V
C1187 F2G1C1000014 10 / M / 16V C1188 ECUX1E104ZFV 0.1 / Z / 25V C1189 ECUX1E104ZFV 0.1 / Z / 25V C1190 ECUX1E104ZFV 0.1 / Z / 25V C1191 ECUX1E104ZFV 0.1 / Z / 25V C1192 F2G1C1000014 10 / M / 16V C1193 ECUX1E104ZFV 0.1 / Z / 25V C1194 F2G1C1000014 10 / M / 16V C1195 ECUX1E104ZFV 0.1 / Z / 25V C1196 ECUX1E104ZFV 0.1 / Z / 25V C1197 ECUX1E104ZFV 0.1 / Z / 25V C1198 ECUX1E104ZFV 0.1 / Z / 25V C1199 F2G1C1000014 10 / M / 16V C1200 ECUX1E104ZFV 0.1 / Z / 25V C1201 ECUX1E104ZFV 0.1 / Z / 25V C1202 ECUX1E104ZFV 0.1 / Z / 25V C1203 F2G1C1000014 10 / M / 16V C1204 F2G1C1000014 10 / M / 16V C1205 ECUX1E104ZFV 0.1 / Z / 25V C1205 ECUX1E104ZFV 0.1 / Z / 25V C1205 ECUX1E104ZFV 0.1 / Z / 25V C1206 ECUX1E104ZFV 0.1 / Z / 25V C1207 ECUX1E104ZFV 0.1 / Z / 25V C1208 ECUX1E104ZFV 0.1 / Z / 25V C1209 ECUX1E104ZFV 0.1 / Z / 25V	C1185	ECUX1E104ZFV	0.1 / Z / 25V
C1188 ECUX1E104ZFV 0.1 / Z / 25V C1189 ECUX1E104ZFV 0.1 / Z / 25V C1190 ECUX1E104ZFV 0.1 / Z / 25V C1191 ECUX1E104ZFV 0.1 / Z / 25V C1192 F2G1C1000014 10 / M / 16V C1193 ECUX1E104ZFV 0.1 / Z / 25V C1194 F2G1C1000014 10 / M / 16V C1195 ECUX1E104ZFV 0.1 / Z / 25V C1196 ECUX1E104ZFV 0.1 / Z / 25V C1197 ECUX1E104ZFV 0.1 / Z / 25V C1198 ECUX1E104ZFV 0.1 / Z / 25V C1199 F2G1C1000014 10 / M / 16V C1200 ECUX1E104ZFV 0.1 / Z / 25V C1201 ECUX1E104ZFV 0.1 / Z / 25V C1202 ECUX1E104ZFV 0.1 / Z / 25V C1203 F2G1C1000014 10 / M / 16V C1204 F2G1C1000014 10 / M / 16V C1205 ECUX1E104ZFV 0.1 / Z / 25V C1205 ECUX1E104ZFV 0.1 / Z / 25V	C1186	ECUX1E104ZFV	0.1 / Z / 25V
C1189 ECUX1E104ZFV 0.1/Z/25V C1190 ECUX1E104ZFV 0.1/Z/25V C1191 ECUX1E104ZFV 0.1/Z/25V C1192 F2G1C1000014 10/M/16V C1193 ECUX1E104ZFV 0.1/Z/25V C1194 F2G1C1000014 10/M/16V C1195 ECUX1E104ZFV 0.1/Z/25V C1196 ECUX1E104ZFV 0.1/Z/25V C1197 ECUX1E104ZFV 0.1/Z/25V C1198 ECUX1E104ZFV 0.1/Z/25V C1199 F2G1C1000014 10/M/16V C1200 ECUX1E104ZFV 0.1/Z/25V C1201 ECUX1E104ZFV 0.1/Z/25V C1202 ECUX1E104ZFV 0.1/Z/25V C1203 F2G1C1000014 10/M/16V C1204 F2G1C1000014 10/M/16V C1205 ECUX1E104ZFV 0.1/Z/25V	C1187	F2G1C1000014	10 / M / 16V
C1190 ECUX1E104ZFV 0.1 / Z / 25V C1191 ECUX1E104ZFV 0.1 / Z / 25V C1192 F2G1C1000014 10 / M / 16V C1193 ECUX1E104ZFV 0.1 / Z / 25V C1194 F2G1C1000014 10 / M / 16V C1195 ECUX1E104ZFV 0.1 / Z / 25V C1196 ECUX1E104ZFV 0.1 / Z / 25V C1197 ECUX1E104ZFV 0.1 / Z / 25V C1198 ECUX1E104ZFV 0.1 / Z / 25V C1199 F2G1C1000014 10 / M / 16V C1200 ECUX1E104ZFV 0.1 / Z / 25V C1201 ECUX1E104ZFV 0.1 / Z / 25V C1202 ECUX1E104ZFV 0.1 / Z / 25V C1203 F2G1C1000014 10 / M / 16V C1204 F2G1C1000014 10 / M / 16V C1205 ECUX1E104ZFV 0.1 / Z / 25V	C1188	ECUX1E104ZFV	0.1 / Z / 25V
C1191 ECUX1E104ZFV 0.1 / Z / 25V C1192 F2G1C1000014 10 / M / 16V C1193 ECUX1E104ZFV 0.1 / Z / 25V C1194 F2G1C1000014 10 / M / 16V C1195 ECUX1E104ZFV 0.1 / Z / 25V C1196 ECUX1E104ZFV 0.1 / Z / 25V C1197 ECUX1E104ZFV 0.1 / Z / 25V C1198 ECUX1E104ZFV 0.1 / Z / 25V C1199 F2G1C1000014 10 / M / 16V C1200 ECUX1E104ZFV 0.1 / Z / 25V C1201 ECUX1E104ZFV 0.1 / Z / 25V C1202 ECUX1E104ZFV 0.1 / Z / 25V C1203 F2G1C1000014 10 / M / 16V C1204 F2G1C1000014 10 / M / 16V C1205 ECUX1E104ZFV 0.1 / Z / 25V	C1189	ECUX1E104ZFV	0.1 / Z / 25V
C1192 F2G1C1000014 10 / M / 16V C1193 ECUX1E104ZFV 0.1 / Z / 25V C1194 F2G1C1000014 10 / M / 16V C1195 ECUX1E104ZFV 0.1 / Z / 25V C1196 ECUX1E104ZFV 0.1 / Z / 25V C1197 ECUX1E104ZFV 0.1 / Z / 25V C1198 ECUX1E104ZFV 0.1 / Z / 25V C1199 F2G1C1000014 10 / M / 16V C1200 ECUX1E104ZFV 0.1 / Z / 25V C1201 ECUX1E104ZFV 0.1 / Z / 25V C1202 ECUX1E104ZFV 0.1 / Z / 25V C1203 F2G1C1000014 10 / M / 16V C1204 F2G1C1000014 10 / M / 16V C1205 ECUX1E104ZFV 0.1 / Z / 25V	C1190	ECUX1E104ZFV	0.1 / Z / 25V
C1193 ECUX1E104ZFV 0.1 / Z / 25V C1194 F2G1C1000014 10 / M / 16V C1195 ECUX1E104ZFV 0.1 / Z / 25V C1196 ECUX1E104ZFV 0.1 / Z / 25V C1197 ECUX1E104ZFV 0.1 / Z / 25V C1198 ECUX1E104ZFV 0.1 / Z / 25V C1199 F2G1C1000014 10 / M / 16V C1200 ECUX1E104ZFV 0.1 / Z / 25V C1201 ECUX1E104ZFV 0.1 / Z / 25V C1202 ECUX1E104ZFV 0.1 / Z / 25V C1203 F2G1C1000014 10 / M / 16V C1204 F2G1C1000014 10 / M / 16V C1205 ECUX1E104ZFV 0.1 / Z / 25V	C1191	ECUX1E104ZFV	0.1 / Z / 25V
C1194 F2G1C1000014 10 / M / 16V C1195 ECUX1E104ZFV 0.1 / Z / 25V C1196 ECUX1E104ZFV 0.1 / Z / 25V C1197 ECUX1E104ZFV 0.1 / Z / 25V C1198 ECUX1E104ZFV 0.1 / Z / 25V C1199 F2G1C1000014 10 / M / 16V C1200 ECUX1E104ZFV 0.1 / Z / 25V C1201 ECUX1E104ZFV 0.1 / Z / 25V C1202 ECUX1E104ZFV 0.1 / Z / 25V C1203 F2G1C1000014 10 / M / 16V C1204 F2G1C1000014 10 / M / 16V C1205 ECUX1E104ZFV 0.1 / Z / 25V	C1192	F2G1C1000014	10 / M / 16V
C1195 ECUX1E104ZFV 0.1 / Z / 25V C1196 ECUX1E104ZFV 0.1 / Z / 25V C1197 ECUX1E104ZFV 0.1 / Z / 25V C1198 ECUX1E104ZFV 0.1 / Z / 25V C1199 F2G1C1000014 10 / M / 16V C1200 ECUX1E104ZFV 0.1 / Z / 25V C1201 ECUX1E104ZFV 0.1 / Z / 25V C1202 ECUX1E104ZFV 0.1 / Z / 25V C1203 F2G1C1000014 10 / M / 16V C1204 F2G1C1000014 10 / M / 16V C1205 ECUX1E104ZFV 0.1 / Z / 25V	C1193	ECUX1E104ZFV	0.1 / Z / 25V
C1196 ECUX1E104ZFV 0.1 / Z / 25V C1197 ECUX1E104ZFV 0.1 / Z / 25V C1198 ECUX1E104ZFV 0.1 / Z / 25V C1199 F2G1C1000014 10 / M / 16V C1200 ECUX1E104ZFV 0.1 / Z / 25V C1201 ECUX1E104ZFV 0.1 / Z / 25V C1202 ECUX1E104ZFV 0.1 / Z / 25V C1203 F2G1C1000014 10 / M / 16V C1204 F2G1C1000014 10 / M / 16V C1205 ECUX1E104ZFV 0.1 / Z / 25V	C1194	F2G1C1000014	10 / M / 16V
C1197 ECUX1E104ZFV 0.1 / Z / 25V C1198 ECUX1E104ZFV 0.1 / Z / 25V C1199 F2G1C1000014 10 / M / 16V C1200 ECUX1E104ZFV 0.1 / Z / 25V C1201 ECUX1E104ZFV 0.1 / Z / 25V C1202 ECUX1E104ZFV 0.1 / Z / 25V C1203 F2G1C1000014 10 / M / 16V C1204 F2G1C1000014 10 / M / 16V C1205 ECUX1E104ZFV 0.1 / Z / 25V	C1195	ECUX1E104ZFV	0.1 / Z / 25V
C1198 ECUX1E104ZFV 0.1 / Z / 25V C1199 F2G1C1000014 10 / M / 16V C1200 ECUX1E104ZFV 0.1 / Z / 25V C1201 ECUX1E104ZFV 0.1 / Z / 25V C1202 ECUX1E104ZFV 0.1 / Z / 25V C1203 F2G1C1000014 10 / M / 16V C1204 F2G1C1000014 10 / M / 16V C1205 ECUX1E104ZFV 0.1 / Z / 25V	C1196	ECUX1E104ZFV	0.1 / Z / 25V
C1199 F2G1C1000014 10 / M / 16V C1200 ECUX1E104ZFV 0.1 / Z / 25V C1201 ECUX1E104ZFV 0.1 / Z / 25V C1202 ECUX1E104ZFV 0.1 / Z / 25V C1203 F2G1C1000014 10 / M / 16V C1204 F2G1C1000014 10 / M / 16V C1205 ECUX1E104ZFV 0.1 / Z / 25V	C1197	ECUX1E104ZFV	0.1 / Z / 25V
C1200 ECUX1E104ZFV 0.1 / Z / 25V C1201 ECUX1E104ZFV 0.1 / Z / 25V C1202 ECUX1E104ZFV 0.1 / Z / 25V C1203 F2G1C1000014 10 / M / 16V C1204 F2G1C1000014 10 / M / 16V C1205 ECUX1E104ZFV 0.1 / Z / 25V	C1198	ECUX1E104ZFV	0.1 / Z / 25V
C1201 ECUX1E104ZFV 0.1 / Z / 25V C1202 ECUX1E104ZFV 0.1 / Z / 25V C1203 F2G1C1000014 10 / M / 16V C1204 F2G1C1000014 10 / M / 16V C1205 ECUX1E104ZFV 0.1 / Z / 25V	C1199	F2G1C1000014	10 / M / 16V
C1202 ECUX1E104ZFV 0.1 / Z / 25V C1203 F2G1C1000014 10 / M / 16V C1204 F2G1C1000014 10 / M / 16V C1205 ECUX1E104ZFV 0.1 / Z / 25V	C1200	ECUX1E104ZFV	0.1 / Z / 25V
C1203 F2G1C1000014 10 / M / 16V C1204 F2G1C1000014 10 / M / 16V C1205 ECUX1E104ZFV 0.1 / Z / 25V	C1201	ECUX1E104ZFV	0.1 / Z / 25V
C1204 F2G1C1000014 10 / M / 16V C1205 ECUX1E104ZFV 0.1 / Z / 25V	C1202	ECUX1E104ZFV	0.1 / Z / 25V
C1205 ECUX1E104ZFV 0.1 / Z / 25V	C1203	F2G1C1000014	10 / M / 16V
	C1204	F2G1C1000014	10 / M / 16V
C1206 ECUX1H102KBV 1000p / K / 50V	C1205	ECUX1E104ZFV	0.1 / Z / 25V
	C1206	ECUX1H102KBV	1000p / K / 50V

C1207	ECUX1H470JCV	47p / J / 50V
C1208	ECUX1H102KBV	1000p / K / 50V
C1209	ECUX1E104ZFV	0.1 / Z / 25V
C1210	ECUX1E104ZFV	0.1 / Z / 25V
C1211	ECUX1E104ZFV	0.1 / Z / 25V
C1212	ECUX1E104ZFV	0.1 / Z / 25V
C1212	ECUX1E104ZFV	0.1 / Z / 25V
C1213	ECUX1E1042FV	<u> </u>
		47p / J / 50V
C1215	F2G0J4700012	47 / M / 6.3V
C1216	ECUX1E104ZFV	0.1 / Z / 25V
C1217	ECUX1E104ZFV	0.1 / Z / 25V
C1218	ECUX1E104ZFV	0.1 / Z / 25V
C1219	ECUX1E104ZFV	0.1 / Z / 25V
C1220	ECUX1E104ZFV	0.1 / Z / 25V
C1221	ECUX1E104ZFV	0.1 / Z / 25V
C1222	F2G0J4700012	47 / M / 6.3V
C1223	ECUX1E104ZFV	0.1 / Z / 25V
C1224	ECUX1E104ZFV	0.1 / Z / 25V
C1225	ECUX1E104ZFV	0.1 / Z / 25V
C1226	ECUX1H102KBV	1000p / K / 50V
C1227	ECUX1E104ZFV	0.1 / Z / 25V
C1228	ECUX1H102KBV	1000p / K / 50V
C1229	ECUX1E104ZFV	0.1 / Z / 25V
C1230	ECUX1H102KBV	1000p / K / 50V
C1231	ECUX1E104ZFV	0.1 / Z / 25V
C1232	ECUX1H102KBV	1000p / K / 50V
C1233	ECUX1E104ZFV	0.1 / Z / 25V
C1242	ECUX1E104ZFV	0.1 / Z / 25V
C1243	F2G1C1000014	10 / M / 16V
C1244	ECUX1E104ZFV	0.1 / Z / 25V
C1245	F2G1C1000014	10 / M / 16V
C1246	ECUX1E104ZFV	0.1 / Z / 25V
C1247	F2G1C1000014	10 / M / 16V
C1248	ECUX1E104ZFV	0.1 / Z / 25V
C1249	F2G1C1000014	10 / M / 16V
C1250	ECUX1E104ZFV	0.1 / Z / 25V
C1251	ECUX1E104ZFV	0.1 / Z / 25V
C1253	ECUX1H470JCV	47p / J / 50V
C1254	ECUX1E104ZFV	0.1 / Z / 25V

C1255	ECUX1E104ZFV	0.1 / Z / 25V
C1256	ECUX1H470JCV	47p / J / 50V
C1257	F2G1H1R00012	1R0 / M / 50V
C1258	ECUX1E104ZFV	0.1 / Z / 25V
C1259	ECUX1E104ZFV	0.1 / Z / 25V
C1260	F2G0J4700012	47 / M / 6.3V
C1261	ECUX1E104ZFV	0.1 / Z / 25V
C1262	ECUX1E104ZFV	0.1 / Z / 25V
C1263	ECUX1H102KBV	1000p / K / 50V
C1264	ECUX1H102KBV	1000p / K / 50V
C1265	ECUX1E104ZFV	0.1 / Z / 25V
C1266	ECUX1H102KBV	1000p / K / 50V
C1267	ECUX1E104ZFV	0.1 / Z / 25V
C1268	ECUX1H102KBV	1000p / K / 50V
C1269	ECUX1E104ZFV	0.1 / Z / 25V
C1270	ECUX1E104ZFV	0.1 / Z / 25V
C1271	ECUX1H102KBV	1000p / K / 50V
C1272	ECUX1E104ZFV	0.1 / Z / 25V
C1273	ECUX1H102KBV	1000p / K / 50V
C1274	ECUX1H102KBV	1000p / K / 50V
C1275	ECUX1E104ZFV	0.1 / Z / 25V
C1276	ECUX1H102KBV	1000p / K / 50V
C1277	ECUX1E104ZFV	0.1 / Z / 25V
C1278	ECUX1E104ZFV	0.1 / Z / 25V
C1279	ECUX1E104ZFV	0.1 / Z / 25V
C1280	ECUX1E104ZFV	0.1 / Z / 25V
C1281	ECUX1H102KBV	1000p / K / 50V
C1282	ECUX1H102KBV	1000p / K / 50V
C1283	ECUX1E104ZFV	0.1 / Z / 25V
C1284	ECUX1E104ZFV	0.1 / Z / 25V
C1285	ECUX1H102KBV	1000p / K / 50V
C1286	ECUX1E104ZFV	0.1 / Z / 25V
C1287	ECUX1E104ZFV	0.1 / Z / 25V
C1289	ECUX1E104ZFV	0.1 / Z / 25V
C1291	ECUX1E104ZFV	0.1 / Z / 25V
C1292	ECUX1H102KBV	1000p / K / 50V
C1293	ECUX1E104ZFV	0.1 / Z / 25V
C1294	ECUX1E104ZFV	0.1 / Z / 25V
C1295	ECUX1E104ZFV	0.1 / Z / 25V

C1297 E C1298 E C1299 E	ECUX1H102KBV	1000p / K / 50V 1000p / K / 50V
C1298 E		1000p / K / 50V
C1299 E		
	ECUX1E104ZFV	0.1 / Z / 25V
1 I -	ECUX1H102KBV	1000p / K / 50V
	ECUX1H102KBV	1000p / K / 50V
	ECUX1H102KBV	1000p / K / 50V
	ECUX1E104ZFV	0.1 / Z / 25V
C1303 E	ECUX1E104ZFV	0.1 / Z / 25V
C1304 E	ECUX1E104ZFV	0.1 / Z / 25V
C1305 E	ECUX1E104ZFV	0.1 / Z / 25V
C1307 E	ECUX1H102KBV	1000p / K / 50V
C1308 E	ECUX1H102KBV	1000p / K / 50V
C1309 E	ECUX1H102KBV	1000p / K / 50V
C1310 E	ECUX1E104ZFV	0.1 / Z / 25V
C1311 E	ECUX1E104ZFV	0.1 / Z / 25V
C1312 E	ECUX1E104ZFV	0.1 / Z / 25V
C1313 F	2G0G2210002	220 / M /4V
C1314 E	ECUX1E104ZFV	0.1 / Z / 25V
C1315 E	ECUX1E104ZFV	0.1 / Z / 25V
C1316 F	-2G1A1010013	100 / M / 10V
C1319 E	ECUX1E104ZFV	0.1 / Z / 25V
C1320 E	ECUX1E104ZFV	0.1 / Z / 25V
C1321 E	ECJ1VF1H104Z	0.1 / Z / 50V
C1322 E	ECUX1E104ZFV	0.1 / Z / 25V
C1323 F	2G1V4700008	47 / M / 35V
C1324 E	ECJ1VF1H104Z	0.1 / Z / 50V
C1325 F	2G1V4700008	47 / M / 35V
C1326 E	ECUX1E104ZFV	0.1 / Z / 25V
C1327 F	-2G1A1010013	100 / M / 10V
C1328 F	-2G1E4R70008	4R7 /M / 25V
C1329 F	2G0G2210002	220 / M /4V
C1330 E	ECUX1E104ZFV	0.1 / Z / 25V
C1331 E	ECUX1E104ZFV	0.1 / Z / 25V
C1332 E	ECUX1H101JCV	100p / J / 50V
C1333 E	ECUX1E104ZFV	0.1 / Z / 25V
C1334 E	ECUX1H101JCV	100p / J / 50V
C1335 E	ECUX1E104ZFV	0.1 / Z / 25V
C1336 E	ECUX1E104ZFV	0.1 / Z / 25V
C1337 E	ECUX1E104ZFV	0.1 / Z / 25V

C1338 ECUX1E104ZFV 0.1 / Z / 25V C1339 ECUX1H101JCV 100p / J / 50V C1340 F2G1A1010013 100 / M / 10V C1341 F2G0G2210002 220 / M / 4V C1342 F2G0G2210002 220 / M / 4V C1343 ECUX1E104ZFV 0.1 / Z / 25V C1344 F2G1E4R70008 4R7 / M / 25V C1345 F2G0G2210002 220 / M / 4V C1346 ECUX1E104ZFV 0.1 / Z / 25V C1347 ECUX1E104ZFV 0.1 / Z / 25V C1348 F2G1E1010017 100p / M / 25V C1349 F2G1E1010017 100p / M / 25V C1350 ECUX1H101JCV 100p / J / 50V C1351 F2G1A1010013 100 / M / 10V C1352 ECUX1E104ZFV 0.1 / Z / 25V C1353 ECUX1E104ZFV 0.1 / Z / 25V C1354 ECUX1E104ZFV 0.1 / Z / 25V C1355 F2G1C1010024 100 / M / 16V C1356 F2G1C1010024 100 / M / 16V C1357 ECUX1H101JCV 100p / J / 50V C1358 F2G1A1010013 100 / M / 10V C1359 ECUX1E104ZFV 0.1 / Z / 25V C1360 ECUX1E104ZFV 0.1 / Z / 25V C1361 F2G1A1010013 100 / M / 10V C1352 ECUX1E104ZFV 0.1 / Z / 25V C1353 F2G1A1010013 100 / M / 10V C1354 ECUX1E104ZFV 0.1 / Z / 25V C1355 F2G1C1010024 100 / M / 16V C1356 F2G1C1010024 100 / M / 16V C1357 ECUX1H101JCV 100p / J / 50V C1360 ECUX1E104ZFV 0.1 / Z / 25V C1360 ECUX1E104ZFV 0.1 / Z / 25V C1361 F2G1A1010013 100 / M / 10V C1362 ECUX1E104ZFV 0.1 / Z / 25V C1363 F2G1A1010013 100 / M / 10V C1364 ECJ1VF1H104Z 0.1 / Z / 50V C1383 F2G1C1010024 100 / M / 16V C1384 ECUX1E104ZFV 0.1 / Z / 25V
C1340 F2G1A1010013 100 / M / 10V C1341 F2G0G2210002 220 / M /4V C1342 F2G0G2210002 220 / M /4V C1343 ECUX1E104ZFV 0.1 / Z / 25V C1344 F2G1E4R70008 4R7 /M / 25V C1345 F2G0G2210002 220 / M /4V C1346 ECUX1E104ZFV 0.1 / Z / 25V C1347 ECUX1E104ZFV 0.1 / Z / 25V C1348 F2G1E1010017 100p / M / 25V C1349 F2G1E1010017 100p / M / 25V C1350 ECUX1H101JCV 100p / J / 50V C1351 F2G1A1010013 100 / M / 10V C1352 ECUX1E104ZFV 0.1 / Z / 25V C1354 ECUX1E104ZFV 0.1 / Z / 25V C1355 F2G1C1010024 0.1 / Z / 25V C1356 F2G1C1010024 100 / M / 16V C1357 ECUX1H101JCV 100p / J / 50V C1358 F2G1A1010013 100 / M / 16V C1359 ECUX1E104ZFV 0.1 / Z / 25V C1360 ECUX1E104ZFV 0.1 / Z / 25V C1361 F2G1A1010013 100 / M / 10V C1362 ECUX1E104ZFV 0.1 / Z / 25V C1363 F2G1A1010013 100 / M / 10V C1364 ECUX1E104ZFV 0.1 / Z / 25V C1365 F2G1C1010024 0.1 / Z / 25V C1366 F2G1A1010013 100 / M / 10V C1367 ECUX1E104ZFV 0.1 / Z / 25V C1368 F2G1A1010013 100 / M / 10V C1369 ECUX1E104ZFV 0.1 / Z / 25V C1360 ECUX1E104ZFV 0.1 / Z / 25V C1361 F2G1A1010013 100 / M / 10V C1362 ECUX1E104ZFV 0.1 / Z / 25V C1363 F2G1A1010013 100 / M / 10V C1364 ECJ1VF1H104Z 0.1 / Z / 50V C1385 F2G1V4700008 47 / M / 35V C1383 F2G1C1010024 100 / M / 16V
C1341 F2G0G2210002 220 / M /4V C1342 F2G0G2210002 220 / M /4V C1343 ECUX1E104ZFV 0.1 / Z / 25V C1344 F2G1E4R70008 4R7 /M / 25V C1345 F2G0G2210002 220 / M /4V C1346 ECUX1E104ZFV 0.1 / Z / 25V C1347 ECUX1E104ZFV 0.1 / Z / 25V C1348 F2G1E1010017 100p / M / 25V C1349 F2G1E1010017 100p / M / 25V C1350 ECUX1H101JCV 100p / J / 50V C1351 F2G1A1010013 100 / M / 10V C1352 ECUX1E104ZFV 0.1 / Z / 25V C1353 ECUX1E104ZFV 0.1 / Z / 25V C1354 ECUX1E104ZFV 0.1 / Z / 25V C1355 F2G1C1010024 100 / M / 16V C1356 F2G1C1010024 100 / M / 16V C1357 ECUX1H101JCV 100p / J / 50V C1358 F2G1A1010013 100 / M / 10V C1359 ECUX1E104ZFV 0.1 / Z / 25V C1360 ECUX1E104ZFV 0.1 / Z / 25V C1361 F2G1A1010013 100 / M / 10V C1362 ECUX1E104ZFV 0.1 / Z / 25V C1363 F2G1A1010013 100 / M / 10V C1364 ECUX1E104ZFV 0.1 / Z / 25V C1365 F2G1A1010013 100 / M / 10V C1366 F2G1A1010013 100 / M / 10V C1367 F2G1A1010013 100 / M / 10V C1368 F2G1A1010013 100 / M / 10V C1369 F2G1A1010013 100 / M / 10V C1360 F2G1A1010013 100 / M / 10V C1361 F2G1A1010013 100 / M / 10V C1362 F2G1A1010013 100 / M / 10V C1363 F2G1A1010013 100 / M / 10V C1364 ECJ1VF1H104Z 0.1 / Z / 50V C1385 F2G1V4700008 47 / M / 35V C1383 F2G1C1010024 100 / M / 16V
C1342 F2G0G2210002 220 / M /4V C1343 ECUX1E104ZFV 0.1 / Z / 25V C1344 F2G1E4R70008 4R7 /M / 25V C1345 F2G0G2210002 220 / M /4V C1346 ECUX1E104ZFV 0.1 / Z / 25V C1347 ECUX1E104ZFV 0.1 / Z / 25V C1348 F2G1E1010017 100p / M / 25V C1349 F2G1E1010017 100p / M / 25V C1350 ECUX1H101JCV 100p / J / 50V C1351 F2G1A1010013 100 / M / 10V C1352 ECUX1E104ZFV 0.1 / Z / 25V C1353 ECUX1E104ZFV 0.1 / Z / 25V C1354 ECUX1E104ZFV 0.1 / Z / 25V C1355 F2G1C1010024 100 / M / 16V C1356 F2G1C1010024 100 / M / 16V C1357 ECUX1H101JCV 100p / J / 50V C1358 F2G1A1010013 100 / M / 10V C1359 ECUX1E104ZFV 0.1 / Z / 25V C1360 ECUX1E104ZFV 0.1 / Z / 25V C1361 ECUX1E104ZFV 0.1 / Z / 25V C1362 ECUX1E104ZFV 0.1 / Z / 25V C1363 F2G1A1010013 100 / M / 10V C1364 ECJ1VF1H104Z 0.1 / Z / 25V C1365 F2G1V4700008 47 / M / 35V C1383 F2G1C1010024 100 / M / 16V
C1343 ECUX1E104ZFV 0.1 / Z / 25V C1344 F2G1E4R70008 4R7 /M / 25V C1345 F2G0G2210002 220 / M /4V C1346 ECUX1E104ZFV 0.1 / Z / 25V C1347 ECUX1E104ZFV 0.1 / Z / 25V C1348 F2G1E1010017 100p / M / 25V C1349 F2G1E1010017 100p / M / 25V C1350 ECUX1H101JCV 100p / J / 50V C1351 F2G1A1010013 100 / M / 10V C1352 ECUX1E104ZFV 0.1 / Z / 25V C1353 ECUX1E104ZFV 0.1 / Z / 25V C1354 ECUX1E104ZFV 0.1 / Z / 25V C1355 F2G1C1010024 100 / M / 16V C1356 F2G1C1010024 100 / M / 16V C1357 ECUX1H101JCV 100p / J / 50V C1358 F2G1A1010013 100 / M / 10V C1359 ECUX1E104ZFV 0.1 / Z / 25V C1360 ECUX1E104ZFV 0.1 / Z / 25V C1361 ECUX1E104ZFV 0.1 / Z / 25V C1362 ECUX1E104ZFV 0.1 / Z / 25V C1363 F2G1A1010013 100 / M / 10V C1364 ECJ1VF1H104Z 0.1 / Z / 25V C1365 F2G1V4700008 47 / M / 35V C1383 F2G1C1010024 100 / M / 16V
C1344 F2G1E4R70008 4R7 /M / 25V C1345 F2G0G2210002 220 / M /4V C1346 ECUX1E104ZFV 0.1 / Z / 25V C1347 ECUX1E104ZFV 0.1 / Z / 25V C1348 F2G1E1010017 100p / M / 25V C1349 F2G1E1010017 100p / M / 25V C1350 ECUX1H101JCV 100p / J / 50V C1351 F2G1A1010013 100 / M / 10V C1352 ECUX1E104ZFV 0.1 / Z / 25V C1353 ECUX1E104ZFV 0.1 / Z / 25V C1354 ECUX1E104ZFV 0.1 / Z / 25V C1355 F2G1C1010024 100 / M / 16V C1356 F2G1C1010024 100 / M / 16V C1357 ECUX1H101JCV 100p / J / 50V C1358 F2G1A1010013 100 / M / 10V C1359 ECUX1E104ZFV 0.1 / Z / 25V C1360 ECUX1E104ZFV 0.1 / Z / 25V C1361 ECUX1E104ZFV 0.1 / Z / 25V C1362 ECUX1E104ZFV 0.1 / Z / 25V C1363 F2G1A1010013 100 / M / 10V C1364 ECJ1VF1H104Z 0.1 / Z / 25V C1365 F2G1V470008 47 / M / 35V C1383 F2G1C1010024 100 / M / 16V
C1345 F2G0G2210002 220 / M /4V C1346 ECUX1E104ZFV 0.1 / Z / 25V C1347 ECUX1E104ZFV 0.1 / Z / 25V C1348 F2G1E1010017 100p / M / 25V C1349 F2G1E1010017 100p / M / 25V C1350 ECUX1H101JCV 100p / J / 50V C1351 F2G1A1010013 100 / M / 10V C1352 ECUX1E104ZFV 0.1 / Z / 25V C1353 ECUX1E104ZFV 0.1 / Z / 25V C1354 ECUX1E104ZFV 0.1 / Z / 25V C1355 F2G1C1010024 100 / M / 16V C1356 F2G1C1010024 100 / M / 16V C1357 ECUX1H101JCV 100p / J / 50V C1358 F2G1A1010013 100 / M / 10V C1359 ECUX1E104ZFV 0.1 / Z / 25V C1360 ECUX1E104ZFV 0.1 / Z / 25V C1361 ECUX1E104ZFV 0.1 / Z / 25V C1362 ECUX1E104ZFV 0.1 / Z / 25V C1363 F2G1A1010013 100 / M / 10V C1364 ECJ1VF1H104Z 0.1 / Z / 25V C1365 F2G1V4700008 47 / M / 35V C1383 F2G1C1010024 100 / M / 16V
C1346 ECUX1E104ZFV 0.1 / Z / 25V C1347 ECUX1E104ZFV 0.1 / Z / 25V C1348 F2G1E1010017 100p / M / 25V C1349 F2G1E1010017 100p / M / 25V C1350 ECUX1H101JCV 100p / J / 50V C1351 F2G1A1010013 100 / M / 10V C1352 ECUX1E104ZFV 0.1 / Z / 25V C1353 ECUX1E104ZFV 0.1 / Z / 25V C1354 ECUX1E104ZFV 0.1 / Z / 25V C1355 F2G1C1010024 100 / M / 16V C1356 F2G1C1010024 100 / M / 16V C1357 ECUX1H101JCV 100p / J / 50V C1358 F2G1A1010013 100 / M / 10V C1359 ECUX1E104ZFV 0.1 / Z / 25V C1360 ECUX1E104ZFV 0.1 / Z / 25V C1361 ECUX1E104ZFV 0.1 / Z / 25V C1362 ECUX1E104ZFV 0.1 / Z / 25V C1363 F2G1A1010013 100 / M / 10V C1364 ECJ1VF1H104Z 0.1 / Z / 50V C1365 F2G1V4700008 47 / M / 35V C1383 F2G1C1010024 100 / M / 16V
C1347 ECUX1E104ZFV 0.1 / Z / 25V C1348 F2G1E1010017 100p / M / 25V C1349 F2G1E1010017 100p / M / 25V C1350 ECUX1H101JCV 100p / J / 50V C1351 F2G1A1010013 100 / M / 10V C1352 ECUX1E104ZFV 0.1 / Z / 25V C1353 ECUX1E104ZFV 0.1 / Z / 25V C1354 ECUX1E104ZFV 0.1 / Z / 25V C1355 F2G1C1010024 100 / M / 16V C1356 F2G1C1010024 100 / M / 16V C1357 ECUX1H101JCV 100p / J / 50V C1358 F2G1A1010013 100 / M / 10V C1359 ECUX1E104ZFV 0.1 / Z / 25V C1360 ECUX1E104ZFV 0.1 / Z / 25V C1361 ECUX1E104ZFV 0.1 / Z / 25V C1362 ECUX1E104ZFV 0.1 / Z / 25V C1363 F2G1A1010013 100 / M / 10V C1364 ECJ1VF1H104Z 0.1 / Z / 50V C1365 F2G1V4700008 47 / M / 35V C1383 F2G1C1010024 100 / M / 16V
C1348 F2G1E1010017 100p / M / 25V C1349 F2G1E1010017 100p / M / 25V C1350 ECUX1H101JCV 100p / J / 50V C1351 F2G1A1010013 100 / M / 10V C1352 ECUX1E104ZFV 0.1 / Z / 25V C1353 ECUX1E104ZFV 0.1 / Z / 25V C1354 ECUX1E104ZFV 0.1 / Z / 25V C1355 F2G1C1010024 100 / M / 16V C1356 F2G1C1010024 100 / M / 16V C1357 ECUX1H101JCV 100p / J / 50V C1358 F2G1A1010013 100 / M / 10V C1359 ECUX1E104ZFV 0.1 / Z / 25V C1360 ECUX1E104ZFV 0.1 / Z / 25V C1361 ECUX1E104ZFV 0.1 / Z / 25V C1362 ECUX1E104ZFV 0.1 / Z / 25V C1363 F2G1A1010013 100 / M / 10V C1364 ECJ1VF1H104Z 0.1 / Z / 25V C1365 F2G1V4700008 47 / M / 35V C1383 F2G1C1010024 100 / M / 16V
C1349 F2G1E1010017 100p / M / 25V C1350 ECUX1H101JCV 100p / J / 50V C1351 F2G1A1010013 100 / M / 10V C1352 ECUX1E104ZFV 0.1 / Z / 25V C1353 ECUX1E104ZFV 0.1 / Z / 25V C1354 ECUX1E104ZFV 0.1 / Z / 25V C1355 F2G1C1010024 100 / M / 16V C1356 F2G1C1010024 100 / M / 16V C1357 ECUX1H101JCV 100p / J / 50V C1358 F2G1A1010013 100 / M / 10V C1359 ECUX1E104ZFV 0.1 / Z / 25V C1360 ECUX1E104ZFV 0.1 / Z / 25V C1361 ECUX1E104ZFV 0.1 / Z / 25V C1362 ECUX1E104ZFV 0.1 / Z / 25V C1363 F2G1A1010013 100 / M / 10V C1364 ECJ1VF1H104Z 0.1 / Z / 50V C1365 F2G1V4700008 47 / M / 35V C1383 F2G1C1010024 100 / M / 16V
C1350 ECUX1H101JCV 100p / J / 50V C1351 F2G1A1010013 100 / M / 10V C1352 ECUX1E104ZFV 0.1 / Z / 25V C1353 ECUX1E104ZFV 0.1 / Z / 25V C1354 ECUX1E104ZFV 0.1 / Z / 25V C1355 F2G1C1010024 100 / M / 16V C1356 F2G1C1010024 100 / M / 16V C1357 ECUX1H101JCV 100p / J / 50V C1358 F2G1A1010013 100 / M / 10V C1359 ECUX1E104ZFV 0.1 / Z / 25V C1360 ECUX1E104ZFV 0.1 / Z / 25V C1361 ECUX1E104ZFV 0.1 / Z / 25V C1362 ECUX1E104ZFV 0.1 / Z / 25V C1363 F2G1A1010013 100 / M / 10V C1364 ECJ1VF1H104Z 0.1 / Z / 50V C1365 F2G1V4700008 47 / M / 35V C1383 F2G1C1010024 100 / M / 16V
C1351 F2G1A1010013 100 / M / 10V C1352 ECUX1E104ZFV 0.1 / Z / 25V C1353 ECUX1E104ZFV 0.1 / Z / 25V C1354 ECUX1E104ZFV 0.1 / Z / 25V C1355 F2G1C1010024 100 / M / 16V C1356 F2G1C1010024 100 / M / 16V C1357 ECUX1H101JCV 100p / J / 50V C1358 F2G1A1010013 100 / M / 10V C1359 ECUX1E104ZFV 0.1 / Z / 25V C1360 ECUX1E104ZFV 0.1 / Z / 25V C1362 ECUX1E104ZFV 0.1 / Z / 25V C1363 F2G1A1010013 100 / M / 10V C1364 ECJ1VF1H104Z 0.1 / Z / 50V C1365 F2G1V4700008 47 / M / 35V C1383 F2G1C1010024 100 / M / 16V
C1352 ECUX1E104ZFV 0.1 / Z / 25V C1353 ECUX1E104ZFV 0.1 / Z / 25V C1354 ECUX1E104ZFV 0.1 / Z / 25V C1355 F2G1C1010024 100 / M / 16V C1356 F2G1C1010024 100 / M / 16V C1357 ECUX1H101JCV 100p / J / 50V C1358 F2G1A1010013 100 / M / 10V C1359 ECUX1E104ZFV 0.1 / Z / 25V C1360 ECUX1E104ZFV 0.1 / Z / 25V C1362 ECUX1E104ZFV 0.1 / Z / 25V C1363 F2G1A1010013 100 / M / 10V C1364 ECJ1VF1H104Z 0.1 / Z / 50V C1365 F2G1V4700008 47 / M / 35V C1383 F2G1C1010024 100 / M / 16V
C1353 ECUX1E104ZFV 0.1 / Z / 25V C1354 ECUX1E104ZFV 0.1 / Z / 25V C1355 F2G1C1010024 100 / M / 16V C1356 F2G1C1010024 100 / M / 16V C1357 ECUX1H101JCV 100p / J / 50V C1358 F2G1A1010013 100 / M / 10V C1359 ECUX1E104ZFV 0.1 / Z / 25V C1360 ECUX1E104ZFV 0.1 / Z / 25V C1362 ECUX1E104ZFV 0.1 / Z / 25V C1363 F2G1A1010013 100 / M / 10V C1364 ECJ1VF1H104Z 0.1 / Z / 50V C1365 F2G1V4700008 47 / M / 35V C1383 F2G1C1010024 100 / M / 16V
C1354 ECUX1E104ZFV 0.1 / Z / 25V C1355 F2G1C1010024 100 / M / 16V C1356 F2G1C1010024 100 / M / 16V C1357 ECUX1H101JCV 100p / J / 50V C1358 F2G1A1010013 100 / M / 10V C1359 ECUX1E104ZFV 0.1 / Z / 25V C1360 ECUX1E104ZFV 0.1 / Z / 25V C1362 ECUX1E104ZFV 0.1 / Z / 25V C1363 F2G1A1010013 100 / M / 10V C1364 ECJ1VF1H104Z 0.1 / Z / 50V C1365 F2G1V4700008 47 / M / 35V C1383 F2G1C1010024 100 / M / 16V
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C1356 F2G1C1010024 100 / M / 16V C1357 ECUX1H101JCV 100p / J / 50V C1358 F2G1A1010013 100 / M / 10V C1359 ECUX1E104ZFV 0.1 / Z / 25V C1360 ECUX1E104ZFV 0.1 / Z / 25V C1362 ECUX1E104ZFV 0.1 / Z / 25V C1363 F2G1A1010013 100 / M / 10V C1364 ECJ1VF1H104Z 0.1 / Z / 50V C1365 F2G1V4700008 47 / M / 35V C1383 F2G1C1010024 100 / M / 16V
C1357 ECUX1H101JCV 100p / J / 50V C1358 F2G1A1010013 100 / M / 10V C1359 ECUX1E104ZFV 0.1 / Z / 25V C1360 ECUX1E104ZFV 0.1 / Z / 25V C1362 ECUX1E104ZFV 0.1 / Z / 25V C1363 F2G1A1010013 100 / M / 10V C1364 ECJ1VF1H104Z 0.1 / Z / 50V C1365 F2G1V4700008 47 / M / 35V C1383 F2G1C1010024 100 / M / 16V
C1358 F2G1A1010013 100 / M / 10V C1359 ECUX1E104ZFV 0.1 / Z / 25V C1360 ECUX1E104ZFV 0.1 / Z / 25V C1362 ECUX1E104ZFV 0.1 / Z / 25V C1363 F2G1A1010013 100 / M / 10V C1364 ECJ1VF1H104Z 0.1 / Z / 50V C1365 F2G1V4700008 47 / M / 35V C1383 F2G1C1010024 100 / M / 16V
C1359 ECUX1E104ZFV 0.1 / Z / 25V C1360 ECUX1E104ZFV 0.1 / Z / 25V C1362 ECUX1E104ZFV 0.1 / Z / 25V C1363 F2G1A1010013 100 / M / 10V C1364 ECJ1VF1H104Z 0.1 / Z / 50V C1365 F2G1V4700008 47 / M / 35V C1383 F2G1C1010024 100 / M / 16V
C1360 ECUX1E104ZFV 0.1 / Z / 25V C1362 ECUX1E104ZFV 0.1 / Z / 25V C1363 F2G1A1010013 100 / M / 10V C1364 ECJ1VF1H104Z 0.1 / Z / 50V C1365 F2G1V4700008 47 / M / 35V C1383 F2G1C1010024 100 / M / 16V
C1362 ECUX1E104ZFV 0.1 / Z / 25V C1363 F2G1A1010013 100 / M / 10V C1364 ECJ1VF1H104Z 0.1 / Z / 50V C1365 F2G1V4700008 47 / M / 35V C1383 F2G1C1010024 100 / M / 16V
C1363 F2G1A1010013 100 / M / 10V C1364 ECJ1VF1H104Z 0.1 / Z / 50V C1365 F2G1V4700008 47 / M / 35V C1383 F2G1C1010024 100 / M / 16V
C1364 ECJ1VF1H104Z 0.1 / Z / 50V C1365 F2G1V4700008 47 / M / 35V C1383 F2G1C1010024 100 / M / 16V
C1365 F2G1V4700008 47 / M / 35V C1383 F2G1C1010024 100 / M / 16V
C1383 F2G1C1010024 100 / M / 16V
C1384 ECUX1E104ZFV 0.1 / Z / 25V
C1385 F2G1V4700008 47 / M / 35V
C1386 ECJ1VF1H104Z 0.1 / Z / 50V
C1388 F2G1A1010013 100 / M / 10V
C1389 ECUX1E104ZFV 0.1 / Z / 25V
C1400 ECJ1VF1H104Z 0.1 / Z / 50V
C1401 F2G1V4700008 47 / M / 35V
C1402 ECUX1E104ZFV 0.1 / Z / 25V
C1403 ECUX1E104ZFV 0.1 / Z / 25V
C1404
C1405

C1406	ECUX1H101JCV	100p / J / 50V
C1407	ECUX1H101JCV	100p / J / 50V
C1408	ECUX1H101JCV	100p / J / 50V
C1409	ECUX1H101JCV	100p / J / 50V
C1410	ECUX1H101JCV	100p / J / 50V
C1411	ECUX1H101JCV	100p / J / 50V
C1412	ECUX1H101JCV	100p / J / 50V
C1413	ECUX1H101JCV	100p / J / 50V
C1414	ECUX1H101JCV	100p / J / 50V
C1415	ECUX1H101JCV	100p / J / 50V
C1416	ECUX1H101JCV	100p / J / 50V
C1417	ECUX1H101JCV	100p / J / 50V
C1418	ECUX1E104ZFV	0.1 / Z / 25V
C1419	F2G0J4700012	47 / M / 6.3V
C1421	ECUX1H102KBV	1000p / K / 50V
C1422	ECUX1H102KBV	1000p / K / 50V
C1423	ECUX1H102KBV	1000p / K / 50V
C1424	ECUX1H102KBV	1000p / K / 50V
C1425	ECUX1H102KBV	1000p / K / 50V
C1426	ECUX1H102KBV	1000p / K / 50V
C1427	ECUX1H102KBV	1000p / K / 50V
C1428	ECUX1H102KBV	1000p / K / 50V
C1429	ECUX1H102KBV	1000p / K / 50V
C1430	ECUX1H102KBV	1000p / K / 50V
C1431	ECUX1H102KBV	1000p / K / 50V
C1432	ECUX1H102KBV	1000p / K / 50V
C1433	ECUX1H102KBV	1000p / K / 50V
C1434	ECUX1H102KBV	1000p / K / 50V
C1435	ECUX1H102KBV	1000p / K / 50V
C1436	ECUX1H102KBV	1000p / K / 50V
C1437	ECUX1H102KBV	1000p / K / 50V
C1438	ECUX1H102KBV	1000p / K / 50V
C1439	ECUX1H102KBV	1000p / K / 50V
C1440	F2G1A1010013	100 / M / 10V
C1441	ECUX1H102KBV	1000p / K / 50V
	,	COILS
L1000	BLM11A601SPT	Core
L1001	BLM11A601SPT	Core
L1002	BLM11A601SPT	Core
	1	1

L1003	BLM11A601SPT	Core	
L1004	BLM11A601SPT	Core	
L1005	BLM11A601SPT	Core	
L1006	BLM11A601SPT	Core	
L1007	BLM11A601SPT	Core	
L1008	G1C220KA0057	Coil	
L1009	G1C220KA0057	Coil	
L1010	BLM11A601SPT	Core	
L1011	BLM11A601SPT	Core	
L1012	G1C220KA0057	Coil	
L1013	G1C220KA0057	Coil	
L1014	BLM11A601SPT	Core	
L1015	BLM11A601SPT	Core	
L1016	G1C220KA0057	Coil	
L1017	BLM11A601SPT	Core	
L1018	BLM11A601SPT	Core	
L1019	BLM11A601SPT	Core	
L1020	BLM11A601SPT	Core	
L1021	BLM11A601SPT	Core	
DIODES			
D1001	B0JCAE000001	Diode	
D1002	B0JCAE000001	Diode	
TRANSISTOR		,	
Q1000	B1GBCFLL0002	Transistor	
Q1001	2SJ462-T2	Transistor	
Q1002	UNR221100L	Transistor	
Q1003	UN2111	Transistor	
ICs			,
IC1000	C0CBABG00019	IC	
IC1001	C0CBABG00019	IC	
IC1002	C0JBAA000321	IC	
IC1003	C0JBAZ001411	IC, CMOS Logic	
IC1004	C0JBAZ001411	IC, CMOS Logic	
IC1005	C0JBAZ001411	IC, CMOS Logic	
IC1006	C0JBAZ002120	IC, CMOS Logic	
IC1007	C0ZBZ0000834	IC	
IC1008	C0JBAZ002120	IC, CMOS Logic	
IC1009	C0ZBZ0000834	IC	
IC1014	C0ABCA000038	IC	
,	1	1	

IC1015	C0ABCA000038	IC	
IC1016	NJM2901V	IC	
IC1017	NJM2901V	IC	
IC1018	C0FBBD000116	IC, LINEAR	
IC1019	C0FBBD000116	IC, LINEAR	
IC1020	M62743ML	Reset IC	
IC1021	M51953BFP	Reset IC	
IC1022	UPD5555G	IC Timer	
IC1023	S-93C66ADFJ	IC, EEP ROM	
IC1024	C2CBYK000002	IC, 16Bit Micro controller	
IC1025	C3FBLD000116	IC, FLASH Memory	
IC1026	C3BBHG000058	IC, S RAM	
IC1027	C0JBAA000279	IC	
IC1028	C0JBAZ001411	IC, CMOS Logic	
IC1029	C0JBAN000168	IC	
IC1030	C0JBAN000168	IC	
IC1031	C0JBAN000168	IC	
IC1032	C0JBAN000168	IC	
IC1033	SN74LV32ANS2	IC,TTL Logic	
IC1034	C0JBAZ001411	IC, CMOS Logic	
IC1035	C0JBAZ001411	IC, CMOS Logic	
IC1036	C0JBAZ001411	IC, CMOS Logic	
IC1038	C0JBAF000531	IC, CMOS Logic	
IC1039	C0JBAF000531	IC, CMOS Logic	
IC1040	C0JBAF000531	IC, CMOS Logic	
IC1041	C0CBAKE00009	IC, Regulator	
IC1042	C0CBAKE00009	IC, Regulator	
IC1044	C0JBAZ001411	IC, CMOS Logic	
IC1045	C0JBAZ001936	IC, CMOS Logic	
OTHERS			
CN1000	176379-6	Connector	
CN1001	K1MN26B00097	Connector	
CN1002	K1MN24B00111	Connector	
CN1003	K1MN32A00027	Connector	,
CN1004	K1KA06A00408	Connector	
CN1005	K1KA34A00097	Connector	
CN1006	K1KA13A00127	Connector	
CN1007	K1MN36A00014	Connector	
CN1008	K1MN14A00087	Connector	
J	J		

CN1009	K1MN22B00097	Connector	
CN1010	K1KA03A00465	Connector	
CN1014	K1MN30A00064	Connector	
CN1015	K1MN22A00066	Connector	
SP1	K1NC02Z00009	Connector	
X1000	H2D165500002	Oscillator	

15.2 INTERFACE Board

Ref. No.	Part No.	Part Name & Description	Remarks
	R	ESISTORS	
R2000	ERJ3GEYJ472	4.7K / J / 1/10W	
R2001	ERJ3GEYJ100	10 / J / 1/10W	
R2002	ERJ3GEYJ100	10 / J / 1/10W	
R2003	ERJ3GEYJ100	10 / J / 1/10W	
R2004	ERJ3GEYJ100	10 / J / 1/10W	
R2005	ERJ3GEYJ100	10 / J / 1/10W	
R2006	ERJ3GEYJ100	10 / J / 1/10W	
R2007	ERJ3GEYJ100	10 / J / 1/10W	
R2008	ERJ3GEYJ100	10 / J / 1/10W	
R2009	ERJ3GEYJ100	10 / J / 1/10W	
R2010	ERJ3GEYJ100	10 / J / 1/10W	
R2011	ERJ3GEYJ100	10 / J / 1/10W	
R2012	ERJ3GEYJ100	10 / J / 1/10W	
R2013	ERJ3GEYJ100	10 / J / 1/10W	
R2138	ERJ3GEYJ472	4.7K / J / 1/10W	
R2139	ERJ3GEYJ472	4.7K / J / 1/10W	
R2140	ERJ3GEYJ472	4.7K / J / 1/10W	
R2141	ERJ3GEYJ472	4.7K / J / 1/10W	
R2142	ERJ3GEYJ472	4.7K / J / 1/10W	
R2143	ERJ3GEYJ472	4.7K / J / 1/10W	
R2253	ERJ3GEYJ472	4.7K / J / 1/10W	
R2254	ERJ3GEYJ472	4.7K / J / 1/10W	
R2255	ERJ3GEYJ472	4.7K / J / 1/10W	
R2256	ERJ3GEYJ472	4.7K / J / 1/10W	
R2257	ERJ3GEYJ472	4.7K / J / 1/10W	
R2258	ERJ3GEYJ472	4.7K / J / 1/10W	
R2378	ERJ3GEYJ472	4.7K / J / 1/10W	
R2379	ERJ3GEYJ472	4.7K / J / 1/10W	
R2380	ERJ3GEYJ472	4.7K / J / 1/10W	
R2381	ERJ3GEYJ472	4.7K / J / 1/10W	
R2383	ERJ3GEY0R00	0-ohm Jumper	
R2385	ERJ3GEY0R00	0-ohm Jumper	

R2386	ERJ3GEY0R00	0-ohm Jumper
R2388	ERJ3GEY0R00	0-ohm Jumper
R2390	ERJ3GEY0R00	0-ohm Jumper
R2392	ERJ3GEY0R00	0-ohm Jumper
R2393	ERJ3GEYJ472	4.7K / J / 1/10W
R2395	ERJ3GEYJ101	100 / J / 1/10W
R2396	ERJ3GEYJ102	1K / J / 1/10W
R2398	ERJ3GEY0R00	0-ohm Jumper
R2400	ERJ3GEY0R00	0-ohm Jumper
R2401	ERJ3GEY0R00	0-ohm Jumper
R2402	ERJ3GEYJ100	10 / J / 1/10W
R2403	ERJ3GEY0R00	0-ohm Jumper
R2405	ERJ3GEYJ223	22K / J / 1/10W
R2406	ERJ3GEYJ223	22K / J / 1/10W
R2407	ERJ3GEY0R00	0-ohm Jumper
R2410	ERJ3GEY0R00	0-ohm Jumper
R2412	ERJ3GEY0R00	0-ohm Jumper
R2414	ERJ3GEY0R00	0-ohm Jumper
R2415	ERJ3GEY0R00	0-ohm Jumper
R2417	ERJ3GEY0R00	0-ohm Jumper
R2418	ERJ3GEY0R00	0-ohm Jumper
R2422	ERJ3GEY0R00	0-ohm Jumper
R2423	ERJ3GEY0R00	0-ohm Jumper
R2424	ERJ3GEY0R00	0-ohm Jumper
R2425	ERJ3GEY0R00	0-ohm Jumper
R2426	ERJ3GEY0R00	0-ohm Jumper
R2427	ERJ3GEY0R00	0-ohm Jumper
R2428	ERJ3GEY0R00	0-ohm Jumper
R2429	ERJ3GEY0R00	0-ohm Jumper
R2430	ERJ3GEY0R00	0-ohm Jumper
R2431	ERJ3GEYJ221	220 / J / 1/10W
R2432	ERJ3GEYJ101	100 / J / 1/10W
R2433	ERJ3GEYJ682	6.8K / J / 1/10W
R2434	ERJ3GEYJ102	1K / J / 1/10W
R2435	ERJ3GEYJ103	10K / J / 1/10W
R2438	ERJ3GEYJ220	22 / J / 1/10W
R2439	ERJ3GEYJ103	10K / J / 1/10W
R2440	ERJ3GEYJ103	10K / J / 1/10W
R2441	ERJ3GEYJ103	10K / J / 1/10W

R2442	ERJ3GEYJ103	10K / J / 1/10W
R2443	ERJ3GEY0R00	0-ohm Jumper
R2444	ERJ3GEY0R00	0-ohm Jumper
R2445	ERJ3GEYJ103	10K / J / 1/10W
R2446	ERJ3GEYJ103	10K / J / 1/10W
R2447	ERJ3GEYJ103	10K / J / 1/10W
R2448	ERJ3GEY0R00	0-ohm Jumper
R2449	ERJ3GEY0R00	0-ohm Jumper
R2450	ERJ3GEYJ103	10K / J / 1/10W
R2451	ERJ3GEYJ105	1000K / J / 1/10W
R2452	ERJ3GEYJ100	10 / J / 1/10W
R2453	ERJ3GEY0R00	0-ohm Jumper
R2454	ERJ3GEYJ103	10K / J / 1/10W
R2455	ERJ3EKF6201V	6.2K / F / 1/16W
R2456	ERJ3GEYJ104	100K / J / 1/10W
R2457	ERJ3GEY0R00	0-ohm Jumper
R2458	ERJ3GEYJ100	10 / J / 1/10W
R2459	ERJ3GEY0R00	0-ohm Jumper
R2460	ERJ3GEYJ100	10 / J / 1/10W
R2461	ERJ3GEY0R00	0-ohm Jumper
R2464	ERJ3GEY0R00	0-ohm Jumper
R2466	ERJ3GEY0R00	0-ohm Jumper
R2467	ERJ3GEY0R00	0-ohm Jumper
R2468	ERJ3GEYJ220	22 / J / 1/10W
R2563	ERJ3GEYJ221	220 / J / 1/10W
R2564	ERJ3GEYJ221	220 / J / 1/10W
R2565	ERJ3GEYJ221	220 / J / 1/10W
R2566	ERJ3GEYJ221	220 / J / 1/10W
R2567	ERJ3GEYJ472	4.7K / J / 1/10W
R2568	ERJ3GEYJ472	4.7K / J / 1/10W
R2569	SMD125-2	Poly Switch
R2570	ERJ3GEYJ220	22 / J / 1/10W
R2571	ERJ3GEYJ100	10 / J / 1/10W
R2572	ERJ3GEYJ100	10 / J / 1/10W
R2573	ERJ3GEYJ100	10 / J / 1/10W
R2574	ERJ3GEYJ100	10 / J / 1/10W
R2575	ERJ3GEYJ100	10 / J / 1/10W
R2576	ERJ3GEYJ100	10 / J / 1/10W
R2577	ERJ3GEYJ100	10 / J / 1/10W

R2578 ERJ3GEYJ100 10 / J / 1/10W R2579 ERJ3GEYJ220 22 / J / 1/10W R2581 ERJ3GEYJ220 22 / J / 1/10W R2582 ERJ3GEYJ220 22 / J / 1/10W R2583 ERJ3GEYJ100 10 / J / 1/10W R2584 ERJ3GEYJ100 10 / J / 1/10W R2585 ERJ3GEYJ100 10 / J / 1/10W R2586 ERJ3GEYOR00 0-ohm Jumper R2587 ERJ3GEYOR00 0-ohm Jumper R2588 ERJ3GEYOR00 0-ohm Jumper R2589 ERJ3GEYOR00 0-ohm Jumper R2591 ERJ3GEYOR00 0-ohm Jumper R2592 ERJ3GEYJ220 22 / J / 1/10W R2593 ERJ3GEYJ220 22 / J / 1/10W R2594 ERJ3GEYJ220 22 / J / 1/10W R2595 ERJ3GEYJ220 22 / J / 1/10W R2596 ERJ3GEYJ220 22 / J / 1/10W R2597 ERJ3GEYJ220 22 / J / 1/10W R2598 ERJ3GEYJ220 22 / J / 1/10W R2609 ERJ3GEYJ220 22 / J / 1/10W			
R2581 ERJ3GEYJ220 22 / J / 1/10W R2582 ERJ3GEYJ220 22 / J / 1/10W R2583 ERJ3GEYJ100 10 / J / 1/10W R2584 ERJ3GEYJ100 10 / J / 1/10W R2585 ERJ3GEYJ100 10 / J / 1/10W R2586 ERJ3GEYDR00 0-ohm Jumper R2587 ERJ3GEYOR00 0-ohm Jumper R2588 ERJ3GEYOR00 0-ohm Jumper R2589 ERJ3GEYOR00 0-ohm Jumper R2590 ERJ3GEYOR00 0-ohm Jumper R2591 ERJ3GEYOR00 0-ohm Jumper R2592 ERJ3GEYDR00 0-ohm Jumper R2593 ERJ3GEYJ220 22 / J / 1/10W R2594 ERJ3GEYJ220 22 / J / 1/10W R2595 ERJ3GEYJ220 22 / J / 1/10W R2596 ERJ3GEYJ220 22 / J / 1/10W R2597 ERJ3GEYJ220 22 / J / 1/10W R2598 ERJ3GEYJ220 22 / J / 1/10W R2599 ERJ3GEYJ220 22 / J / 1/10W R2599 ERJ3GEYJ220 22 / J / 1/10W R2599 ERJ3GEYJ220 22 / J / 1/10W R2600 ERJ3GEYJ220 22 / J / 1/10W R2601 ERJ3GEYJ220 22 / J / 1/10W R2602 ERJ3GEYJ220 22 / J / 1/10W R2603 ERJ3GEYJ220 22 / J / 1/10W R2604 ERJ3GEYJ220 22 / J / 1/10W R2605 ERJ3GEYJ220 22 / J / 1/10W R2606 ERJ3GEYJ220 22 / J / 1/10W R2607 ERJ3GEYJ220 22 / J / 1/10W R2608 ERJ3GEYJ220 22 / J / 1/10W R2609 ERJ3GEYJ200 22 / J / 1/10W R2609 ERJ3GEYJ200 10 / J / 1/10W R2611 ERJ3GEYJ100 10 / J / 1/10W R2612 ERJ3GEYJ100 10 / J / 1/10W R2613 ERJ3GEYJ100 10 / J / 1/10W R2614 ERJ3GEYJ100 10 / J / 1/10W R2615 ERJ3GEYJ220 22 / J / 1/10W R2616 ERJ3GEYJ220 22 / J / 1/10W	R2578	ERJ3GEYJ100	10 / J / 1/10W
R2582 ERJ3GEYJ220 22 / J / 1/10W R2583 ERJ3GEYJ100 10 / J / 1/10W R2584 ERJ3GEYJ100 10 / J / 1/10W R2585 ERJ3GEYJ100 10 / J / 1/10W R2586 ERJ3GEYDR00 0-ohm Jumper R2587 ERJ3GEYOR00 0-ohm Jumper R2588 ERJ3GEYOR00 0-ohm Jumper R2589 ERJ3GEYOR00 0-ohm Jumper R2590 ERJ3GEYOR00 0-ohm Jumper R2591 ERJ3GEYOR00 0-ohm Jumper R2592 ERJ3GEYDR00 0-ohm Jumper R2593 ERJ3GEYJ220 22 / J / 1/10W R2594 ERJ3GEYJ220 22 / J / 1/10W R2595 ERJ3GEYJ220 22 / J / 1/10W R2596 ERJ3GEYJ220 22 / J / 1/10W R2597 ERJ3GEYJ220 22 / J / 1/10W R2598 ERJ3GEYJ220 22 / J / 1/10W R2599 ERJ3GEYJ220 22 / J / 1/10W R2599 ERJ3GEYJ220 22 / J / 1/10W R2599 ERJ3GEYJ220 22 / J / 1/10W R2600 ERJ3GEYJ220 22 / J / 1/10W R2601 ERJ3GEYJ220 22 / J / 1/10W R2602 ERJ3GEYJ220 22 / J / 1/10W R2603 ERJ3GEYJ220 22 / J / 1/10W R2604 ERJ3GEYJ220 22 / J / 1/10W R2605 ERJ3GEYJ220 22 / J / 1/10W R2606 ERJ3GEYJ220 22 / J / 1/10W R2607 ERJ3GEYJ220 22 / J / 1/10W R2608 ERJ3GEYJ220 22 / J / 1/10W R2609 ERJ3GEYJ220 22 / J / 1/10W R2609 ERJ3GEYJ200 10 / J / 1/10W R2611 ERJ3GEYJ100 10 / J / 1/10W R2611 ERJ3GEYJ100 10 / J / 1/10W R2612 ERJ3GEYJ100 10 / J / 1/10W R2613 ERJ3GEYJ100 10 / J / 1/10W R2614 ERJ3GEYJ100 10 / J / 1/10W R2615 ERJ3GEYJ220 22 / J / 1/10W R2616 ERJ3GEYJ220 22 / J / 1/10W	R2579	ERJ3GEYJ220	22 / J / 1/10W
R2583 ERJ3GEYJ100 10 / J / 1/10W R2584 ERJ3GEYJ100 10 / J / 1/10W R2585 ERJ3GEYJ100 10 / J / 1/10W R2586 ERJ3GEYDR00 0-ohm Jumper R2587 ERJ3GEYOR00 0-ohm Jumper R2588 ERJ3GEYOR00 0-ohm Jumper R2589 ERJ3GEYOR00 0-ohm Jumper R2590 ERJ3GEYOR00 0-ohm Jumper R2591 ERJ3GEYOR00 0-ohm Jumper R2591 ERJ3GEYDR00 0-ohm Jumper R2592 ERJ3GEYJ220 22 / J / 1/10W R2593 ERJ3GEYJ220 22 / J / 1/10W R2594 ERJ3GEYJ220 22 / J / 1/10W R2595 ERJ3GEYJ220 22 / J / 1/10W R2596 ERJ3GEYJ220 22 / J / 1/10W R2597 ERJ3GEYJ220 22 / J / 1/10W R2598 ERJ3GEYJ220 22 / J / 1/10W R2599 ERJ3GEYJ220 22 / J / 1/10W R2600 ERJ3GEYJ220 22 / J / 1/10W R2601 ERJ3GEYJ220 22 / J / 1/10W R2602 ERJ3GEYJ220 22 / J / 1/10W R2603 ERJ3GEYJ220 22 / J / 1/10W R2604 ERJ3GEYJ220 22 / J / 1/10W R2605 ERJ3GEYJ220 22 / J / 1/10W R2606 ERJ3GEYJ220 22 / J / 1/10W R2607 ERJ3GEYJ220 22 / J / 1/10W R2608 ERJ3GEYJ220 22 / J / 1/10W R2609 ERJ3GEYJ200 22 / J / 1/10W R2610 ERJ3GEYJ100 10 / J / 1/10W R2611 ERJ3GEYJ100 10 / J / 1/10W R2612 ERJ3GEYJ100 10 / J / 1/10W R2613 ERJ3GEYJ100 10 / J / 1/10W R2614 ERJ3GEYJ100 10 / J / 1/10W R2615 ERJ3GEYJ220 22 / J / 1/10W R2616 ERJ3GEYJ100 10 / J / 1/10W R2617 ERJ3GEYJ100 10 / J / 1/10W R2618 ERJ3GEYJ220 22 / J / 1/10W	R2581	ERJ3GEYJ220	22 / J / 1/10W
R2584 ERJ3GEYJ100 10 / J / 1/10W R2585 ERJ3GEYJ100 10 / J / 1/10W R2586 ERJ3GEYOR00 0-ohm Jumper R2587 ERJ3GEYOR00 0-ohm Jumper R2588 ERJ3GEYOR00 0-ohm Jumper R2589 ERJ3GEYOR00 0-ohm Jumper R2590 ERJ3GEYOR00 0-ohm Jumper R2591 ERJ3GEYOR00 0-ohm Jumper R2592 ERJ3GEYJ220 22 / J / 1/10W R2593 ERJ3GEYJ220 22 / J / 1/10W R2594 ERJ3GEYJ220 22 / J / 1/10W R2595 ERJ3GEYJ220 22 / J / 1/10W R2596 ERJ3GEYJ220 22 / J / 1/10W R2597 ERJ3GEYJ220 22 / J / 1/10W R2598 ERJ3GEYJ220 22 / J / 1/10W R2599 ERJ3GEYJ220 22 / J / 1/10W R2599 ERJ3GEYJ220 22 / J / 1/10W R2600 ERJ3GEYJ220 22 / J / 1/10W R2601 ERJ3GEYJ220 22 / J / 1/10W R2602 ERJ3GEYJ220 22 / J / 1/10W R2603 ERJ3GEYJ220 22 / J / 1/10W R2604 ERJ3GEYJ220 22 / J / 1/10W R2605 ERJ3GEYJ220 22 / J / 1/10W R2606 ERJ3GEYJ220 22 / J / 1/10W R2607 ERJ3GEYJ220 22 / J / 1/10W R2608 ERJ3GEYJ200 22 / J / 1/10W R2609 ERJ3GEYJ100 10 / J / 1/10W R2611 ERJ3GEYJ100 10 / J / 1/10W R2612 ERJ3GEYJ100 10 / J / 1/10W R2613 ERJ3GEYJ100 10 / J / 1/10W R2614 ERJ3GEYJ100 10 / J / 1/10W R2615 ERJ3GEYJ220 22 / J / 1/10W R2616 ERJ3GEYJ100 10 / J / 1/10W R2616 ERJ3GEYJ220 22 / J / 1/10W R2616 ERJ3GEYJ200 22 / J / 1/10W	R2582	ERJ3GEYJ220	22 / J / 1/10W
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R2597 ERJ3GEYJ220 22 / J / 1/10W R2598 ERJ3GEYJ220 22 / J / 1/10W R2599 ERJ3GEYJ220 22 / J / 1/10W R2600 ERJ3GEYJ220 22 / J / 1/10W R2601 ERJ3GEYJ220 22 / J / 1/10W R2602 ERJ3GEYJ220 22 / J / 1/10W R2603 ERJ3GEYJ220 22 / J / 1/10W R2604 ERJ3GEYJ220 22 / J / 1/10W R2606 ERJ3GEYJ220 22 / J / 1/10W R2607 ERJ3GEYJ220 22 / J / 1/10W R2608 ERJ3GEYJ100 10 / J / 1/10W R2610 ERJ3GEYJ100 10 / J / 1/10W R2611 ERJ3GEYJ100 10 / J / 1/10W R2612 ERJ3GEYJ100 10 / J / 1/10W R2613 ERJ3GEYJ100 10 / J / 1/10W R2614 ERJ3GEYJ100 10 / J / 1/10W R2615 ERJ3GEYJ220 22 / J / 1/10W R2616 ERJ3GEYJ220 22 / J / 1/10W R2618 ERJ3GEYJ220 22 / J / 1/10W	R2595	ERJ3GEYJ220	22 / J / 1/10W
R2598 ERJ3GEYJ220 22 / J / 1/10W R2599 ERJ3GEYJ220 22 / J / 1/10W R2600 ERJ3GEYJ220 22 / J / 1/10W R2601 ERJ3GEYJ220 22 / J / 1/10W R2602 ERJ3GEYJ220 22 / J / 1/10W R2603 ERJ3GEYJ220 22 / J / 1/10W R2604 ERJ3GEYJ220 22 / J / 1/10W R2606 ERJ3GEYJ220 22 / J / 1/10W R2607 ERJ3GEYJ220 22 / J / 1/10W R2608 ERJ3GEYJ100 10 / J / 1/10W R2609 ERJ3GEYJ100 10 / J / 1/10W R2610 ERJ3GEYJ100 10 / J / 1/10W R2611 ERJ3GEYJ100 10 / J / 1/10W R2612 ERJ3GEYJ100 10 / J / 1/10W R2613 ERJ3GEYJ100 10 / J / 1/10W R2614 ERJ3GEYJ100 10 / J / 1/10W R2615 ERJ3GEYJ220 22 / J / 1/10W R2616 ERJ3GEYJ220 22 / J / 1/10W R2618 ERJ3GEYJ220 22 / J / 1/10W	R2596	ERJ3GEYJ220	22 / J / 1/10W
R2599 ERJ3GEYJ220 22 / J / 1/10W R2600 ERJ3GEYJ220 22 / J / 1/10W R2601 ERJ3GEYJ220 22 / J / 1/10W R2602 ERJ3GEYJ220 22 / J / 1/10W R2603 ERJ3GEYJ220 22 / J / 1/10W R2604 ERJ3GEYJ220 22 / J / 1/10W R2606 ERJ3GEYJ220 22 / J / 1/10W R2607 ERJ3GEYJ220 22 / J / 1/10W R2608 ERJ3GEYJ100 10 / J / 1/10W R2609 ERJ3GEYJ100 10 / J / 1/10W R2610 ERJ3GEYJ100 10 / J / 1/10W R2612 ERJ3GEYJ100 10 / J / 1/10W R2613 ERJ3GEYJ100 10 / J / 1/10W R2614 ERJ3GEYJ100 10 / J / 1/10W R2615 ERJ3GEYJ200 22 / J / 1/10W R2616 ERJ3GEYJ220 22 / J / 1/10W R2618 ERJ3GEYJ220 22 / J / 1/10W	R2597	ERJ3GEYJ220	22 / J / 1/10W
R2600 ERJ3GEYJ220 22 / J / 1/10W R2601 ERJ3GEYJ220 22 / J / 1/10W R2602 ERJ3GEYJ220 22 / J / 1/10W R2603 ERJ3GEYJ220 22 / J / 1/10W R2604 ERJ3GEYJ220 22 / J / 1/10W R2606 ERJ3GEYJ220 22 / J / 1/10W R2607 ERJ3GEYJ220 22 / J / 1/10W R2608 ERJ3GEYJ20 22 / J / 1/10W R2609 ERJ3GEYJ100 10 / J / 1/10W R2610 ERJ3GEYJ100 10 / J / 1/10W R2611 ERJ3GEYJ100 10 / J / 1/10W R2612 ERJ3GEYJ100 10 / J / 1/10W R2613 ERJ3GEYJ100 10 / J / 1/10W R2614 ERJ3GEYJ100 10 / J / 1/10W R2615 ERJ3GEYJ100 10 / J / 1/10W R2616 ERJ3GEYJ220 22 / J / 1/10W R2618 ERJ3GEYJ220 22 / J / 1/10W	R2598	ERJ3GEYJ220	22 / J / 1/10W
R2601 ERJ3GEYJ220 22 / J / 1/10W R2602 ERJ3GEYJ220 22 / J / 1/10W R2603 ERJ3GEYJ220 22 / J / 1/10W R2604 ERJ3GEYJ220 22 / J / 1/10W R2606 ERJ3GEYJ220 22 / J / 1/10W R2607 ERJ3GEYJ220 22 / J / 1/10W R2608 ERJ3GEYJ100 10 / J / 1/10W R2609 ERJ3GEYJ100 10 / J / 1/10W R2610 ERJ3GEYJ100 10 / J / 1/10W R2611 ERJ3GEYJ100 10 / J / 1/10W R2612 ERJ3GEYJ100 10 / J / 1/10W R2613 ERJ3GEYJ100 10 / J / 1/10W R2614 ERJ3GEYJ100 10 / J / 1/10W R2615 ERJ3GEYJ220 22 / J / 1/10W R2616 ERJ3GEYJ220 22 / J / 1/10W	R2599	ERJ3GEYJ220	22 / J / 1/10W
R2602 ERJ3GEYJ220 22 / J / 1/10W R2603 ERJ3GEYJ220 22 / J / 1/10W R2604 ERJ3GEYJ220 22 / J / 1/10W R2606 ERJ3GEYJ220 22 / J / 1/10W R2607 ERJ3GEYJ220 22 / J / 1/10W R2608 ERJ3GEYJ100 10 / J / 1/10W R2609 ERJ3GEYJ100 10 / J / 1/10W R2610 ERJ3GEYJ100 10 / J / 1/10W R2611 ERJ3GEYJ100 10 / J / 1/10W R2612 ERJ3GEYJ100 10 / J / 1/10W R2613 ERJ3GEYJ100 10 / J / 1/10W R2614 ERJ3GEYJ100 10 / J / 1/10W R2615 ERJ3GEYJ220 22 / J / 1/10W R2616 ERJ3GEYJ220 22 / J / 1/10W	R2600	ERJ3GEYJ220	22 / J / 1/10W
R2603 ERJ3GEYJ220 22 / J / 1/10W R2604 ERJ3GEYJ220 22 / J / 1/10W R2606 ERJ3GEYJ220 22 / J / 1/10W R2607 ERJ3GEYJ220 22 / J / 1/10W R2608 ERJ3GEYJ100 10 / J / 1/10W R2609 ERJ3GEYJ100 10 / J / 1/10W R2610 ERJ3GEYJ100 10 / J / 1/10W R2611 ERJ3GEYJ100 10 / J / 1/10W R2612 ERJ3GEYJ100 10 / J / 1/10W R2613 ERJ3GEYJ100 10 / J / 1/10W R2614 ERJ3GEYJ100 10 / J / 1/10W R2615 ERJ3GEYJ100 10 / J / 1/10W R2616 ERJ3GEYJ220 22 / J / 1/10W R2618 ERJ3GEYJ220 22 / J / 1/10W	R2601	ERJ3GEYJ220	22 / J / 1/10W
R2604 ERJ3GEYJ220 22 / J / 1/10W R2606 ERJ3GEYJ220 22 / J / 1/10W R2607 ERJ3GEYJ220 22 / J / 1/10W R2608 ERJ3GEYJ100 10 / J / 1/10W R2609 ERJ3GEYJ100 10 / J / 1/10W R2610 ERJ3GEYJ100 10 / J / 1/10W R2611 ERJ3GEYJ100 10 / J / 1/10W R2612 ERJ3GEYJ100 10 / J / 1/10W R2613 ERJ3GEYJ100 10 / J / 1/10W R2614 ERJ3GEYJ100 10 / J / 1/10W R2615 ERJ3GEYJ220 22 / J / 1/10W R2616 ERJ3GEYJ220 22 / J / 1/10W R2618 ERJ3GEYJ220 22 / J / 1/10W	R2602	ERJ3GEYJ220	22 / J / 1/10W
R2606 ERJ3GEYJ220 22 / J / 1/10W R2607 ERJ3GEYJ220 22 / J / 1/10W R2608 ERJ3GEYJ100 10 / J / 1/10W R2609 ERJ3GEYJ100 10 / J / 1/10W R2610 ERJ3GEYJ100 10 / J / 1/10W R2611 ERJ3GEYJ100 10 / J / 1/10W R2612 ERJ3GEYJ100 10 / J / 1/10W R2613 ERJ3GEYJ100 10 / J / 1/10W R2614 ERJ3GEYJ100 10 / J / 1/10W R2615 ERJ3GEYJ100 10 / J / 1/10W R2616 ERJ3GEYJ220 22 / J / 1/10W R2618 ERJ3GEYJ220 22 / J / 1/10W	R2603	ERJ3GEYJ220	22 / J / 1/10W
R2607 ERJ3GEYJ220 22 / J / 1/10W R2608 ERJ3GEYJ100 10 / J / 1/10W R2609 ERJ3GEYJ100 10 / J / 1/10W R2610 ERJ3GEYJ100 10 / J / 1/10W R2611 ERJ3GEYJ100 10 / J / 1/10W R2612 ERJ3GEYJ100 10 / J / 1/10W R2613 ERJ3GEYJ100 10 / J / 1/10W R2614 ERJ3GEYJ100 10 / J / 1/10W R2615 ERJ3GEYJ100 10 / J / 1/10W R2616 ERJ3GEYJ220 22 / J / 1/10W R2618 ERJ3GEYJ220 22 / J / 1/10W	R2604	ERJ3GEYJ220	22 / J / 1/10W
R2608 ERJ3GEYJ100 10 / J / 1/10W R2609 ERJ3GEYJ100 10 / J / 1/10W R2610 ERJ3GEYJ100 10 / J / 1/10W R2611 ERJ3GEYJ100 10 / J / 1/10W R2612 ERJ3GEYJ100 10 / J / 1/10W R2613 ERJ3GEYJ100 10 / J / 1/10W R2614 ERJ3GEYJ100 10 / J / 1/10W R2615 ERJ3GEYJ100 10 / J / 1/10W R2616 ERJ3GEYJ220 22 / J / 1/10W R2618 ERJ3GEYJ220 22 / J / 1/10W	R2606	ERJ3GEYJ220	22 / J / 1/10W
R2609 ERJ3GEYJ100 10 / J / 1/10W R2610 ERJ3GEYJ100 10 / J / 1/10W R2611 ERJ3GEYJ100 10 / J / 1/10W R2612 ERJ3GEYJ100 10 / J / 1/10W R2613 ERJ3GEYJ100 10 / J / 1/10W R2614 ERJ3GEYJ100 10 / J / 1/10W R2615 ERJ3GEYJ100 10 / J / 1/10W R2616 ERJ3GEYJ220 22 / J / 1/10W R2618 ERJ3GEYJ220 22 / J / 1/10W	R2607	ERJ3GEYJ220	22 / J / 1/10W
R2610 ERJ3GEYJ100 10 / J / 1/10W R2611 ERJ3GEYJ100 10 / J / 1/10W R2612 ERJ3GEYJ100 10 / J / 1/10W R2613 ERJ3GEYJ100 10 / J / 1/10W R2614 ERJ3GEYJ100 10 / J / 1/10W R2615 ERJ3GEYJ100 10 / J / 1/10W R2616 ERJ3GEYJ220 22 / J / 1/10W R2618 ERJ3GEYJ220 22 / J / 1/10W	R2608	ERJ3GEYJ100	10 / J / 1/10W
R2611 ERJ3GEYJ100 10 / J / 1/10W R2612 ERJ3GEYJ100 10 / J / 1/10W R2613 ERJ3GEYJ100 10 / J / 1/10W R2614 ERJ3GEYJ100 10 / J / 1/10W R2615 ERJ3GEYJ100 10 / J / 1/10W R2616 ERJ3GEYJ220 22 / J / 1/10W R2618 ERJ3GEYJ220 22 / J / 1/10W	R2609	ERJ3GEYJ100	10 / J / 1/10W
R2612 ERJ3GEYJ100 10 / J / 1/10W R2613 ERJ3GEYJ100 10 / J / 1/10W R2614 ERJ3GEYJ100 10 / J / 1/10W R2615 ERJ3GEYJ100 10 / J / 1/10W R2616 ERJ3GEYJ220 22 / J / 1/10W R2618 ERJ3GEYJ220 22 / J / 1/10W	R2610	ERJ3GEYJ100	10 / J / 1/10W
R2613 ERJ3GEYJ100 10 / J / 1/10W R2614 ERJ3GEYJ100 10 / J / 1/10W R2615 ERJ3GEYJ100 10 / J / 1/10W R2616 ERJ3GEYJ220 22 / J / 1/10W R2618 ERJ3GEYJ220 22 / J / 1/10W	R2611	ERJ3GEYJ100	10 / J / 1/10W
R2614 ERJ3GEYJ100 10 / J / 1/10W R2615 ERJ3GEYJ100 10 / J / 1/10W R2616 ERJ3GEYJ220 22 / J / 1/10W R2618 ERJ3GEYJ220 22 / J / 1/10W	R2612	ERJ3GEYJ100	10 / J / 1/10W
R2615 ERJ3GEYJ100 10 / J / 1/10W R2616 ERJ3GEYJ220 22 / J / 1/10W R2618 ERJ3GEYJ220 22 / J / 1/10W	R2613	ERJ3GEYJ100	10 / J / 1/10W
R2616 ERJ3GEYJ220 22 / J / 1/10W R2618 ERJ3GEYJ220 22 / J / 1/10W	R2614	ERJ3GEYJ100	10 / J / 1/10W
R2618 ERJ3GEYJ220 22 / J / 1/10W	R2615	ERJ3GEYJ100	10 / J / 1/10W
	R2616	ERJ3GEYJ220	22 / J / 1/10W
R2619 ERJ3GEYJ220 22 / J / 1/10W	R2618	ERJ3GEYJ220	22 / J / 1/10W
	R2619	ERJ3GEYJ220	22 / J / 1/10W

R2620	ERJ3GEYJ103	10K / J / 1/10W
R2624	ERJ3GEY0R00	0-ohm Jumper
R2625	ERJ3GEY0R00	0-ohm Jumper
R2626	ERJ3GEY0R00	0-ohm Jumper
R2627	ERJ3GEY0R00	0-ohm Jumper
R2628	ERJ3GEY0R00	0-ohm Jumper
R2629	ERJ3GEY0R00	0-ohm Jumper
R2631	ERJ3GEYJ220	22 / J / 1/10W
R2632	ERJ3GEYJ220	22 / J / 1/10W
R2633	ERJ3GEYJ220	22 / J / 1/10W
R2634	ERJ3GEYJ220	22 / J / 1/10W
R2635	ERJ3GEYJ220	22 / J / 1/10W
R2636	ERJ3GEYJ220	22 / J / 1/10W
R2637	ERJ3GEYJ220	22 / J / 1/10W
R2638	ERJ3GEYJ220	22 / J / 1/10W
R2639	ERJ3GEYJ220	22 / J / 1/10W
R2642	ERJ3GEYJ220	22 / J / 1/10W
R2643	ERJ3GEYJ220	22 / J / 1/10W
R2644	ERJ3GEYJ220	22 / J / 1/10W
R2645	ERJ3GEY0R00	0-ohm Jumper
R2646	ERJ3GEY0R00	0-ohm Jumper
R2648	ERJ3GEYJ220	22 / J / 1/10W
R2649	ERJ3GEY0R00	0-ohm Jumper
R2650	ERJ3GEY0R00	0-ohm Jumper
R2651	ERJ3GEY0R00	0-ohm Jumper
R2652	ERJ3GEY0R00	0-ohm Jumper
R2653	ERJ3GEYJ100	10 / J / 1/10W
R2654	ERJ3GEYJ100	10 / J / 1/10W
R2655	ERJ3GEYJ100	10 / J / 1/10W
R2656	ERJ3GEY0R00	0-ohm Jumper
R2657	ERJ3GEY0R00	0-ohm Jumper
R2658	ERJ3GEYJ100	10 / J / 1/10W
R2659	ERJ3GEYJ100	10 / J / 1/10W
R2660	ERJ3GEYJ100	10 / J / 1/10W
R2661	ERJ3GEY0R00	0-ohm Jumper
R2662	ERJ3GEYJ100	10 / J / 1/10W
R2663	ERJ3GEYJ100	10 / J / 1/10W
R2664	ERJ3GEYJ100	10 / J / 1/10W
R2665	ERJ3GEYJ100	10 / J / 1/10W

R2666	ERJ3GEYJ100	10 / J / 1/10W
R2667	ERJ3GEYJ100	10 / J / 1/10W
R2668	ERJ3GEYJ100	10 / J / 1/10W
R2679	ERJ3GEY0R00	0-ohm Jumper
R2682	ERJ3GEYJ472	4.7K / J / 1/10W
R2683	ERJ3GEYJ472	4.7K / J / 1/10W
R2685	ERJ3GEYJ472	4.7K / J / 1/10W
R2686	ERJ3GEYJ472	4.7K / J / 1/10W
R2687	ERJ3GEYJ472	4.7K / J / 1/10W
R2689	ERJ3GEYJ470	47 / J / 1/10W
R2690	ERJ3GEYJ470	47 / J / 1/10W
R2691	ERJ3GEYJ220	22 / J / 1/10W
R2692	ERJ3GEYJ220	22 / J / 1/10W
R2700	ERJ3GEY0R00	0-ohm Jumper
R2701	ERJ3GEYJ102	1K / J / 1/10W
R2703	ERJ3GEY0R00	0-ohm Jumper
R2707	ERJ3GEY0R00	0-ohm Jumper
R2708	ERJ3GEYJ102	1K / J / 1/10W
R2710	ERJ3GEY0R00	0-ohm Jumper
R2714	ERJ3GEYJ102	1K / J / 1/10W
Z2000	D0GZ220J0001	Resistor Array
Z2001	D0GZ220J0001	Resistor Array
Z2002	D0GZ220J0001	Resistor Array
Z2003	D0GZ220J0001	Resistor Array
Z2004	D0GZ220J0001	Resistor Array
Z2005	D0GZ220J0001	Resistor Array
Z2006	D0GZ220J0001	Resistor Array
Z2007	D0GZ220J0001	Resistor Array
Z2008	D0GZ220J0001	Resistor Array
Z2009	D0GZ220J0001	Resistor Array
Z2010	D0GZ220J0001	Resistor Array
Z2011	D0GZ220J0001	Resistor Array
Z2012	D0GZ220J0001	Resistor Array
Z2013	D0GZ220J0001	Resistor Array
Z2014	D0GZ220J0001	Resistor Array
Z2015	D0GZ220J0001	Resistor Array
Z2163	PJRAMNR14473	Resistor Array
Z2164	PJRAMNR14473	Resistor Array
Z2165	PJRAMNR14473	Resistor Array

Z2166	PJRAMNR14473	Resistor Array
Z2167	PJRAMNR14473	Resistor Array
72168		
	PJRAMNR14473	Resistor Array
Z2222	D1H810040003	Resistor Array
Z2223	D1H810040003	Resistor Array
Z2224	D1H810040003	Resistor Array
Z2225	D1H810040003	Resistor Array
Z2226	D1H810040003	Resistor Array
Z2227	D1H810040003	Resistor Array
Z2228	D1H810040003	Resistor Array
Z2229	D1H810040003	Resistor Array
Z2230	D1H810040003	Resistor Array
Z2231	D1H810040003	Resistor Array
Z2232	D1H810040003	Resistor Array
Z2233	D1H810040003	Resistor Array
Z2234	D1H810040003	Resistor Array
Z2235	D1H810040003	Resistor Array
Z2236	D1H810040003	Resistor Array
Z2237	D1H810040003	Resistor Array
Z2238	D1H810040003	Resistor Array
Z2239	D1H810040003	Resistor Array
Z2240	D1H810040003	Resistor Array
Z2241	D1H810040003	Resistor Array
Z2242	D1H810040003	Resistor Array
Z2243	D1H810040003	Resistor Array
Z2244	D1H810040003	Resistor Array
Z2245	D1H810040003	Resistor Array
Z2246	D1H810040003	Resistor Array
Z2247	D1H810040003	Resistor Array
Z2248	EXBV8VR000V	Resistor Array
Z2249	EXBV8VR000V	Resistor Array
Z2250	EXBV8VR000V	Resistor Array
Z2251	EXBV8VR000V	Resistor Array
Z2252	D1H810040003	Resistor Array
Z2253	D1H810040003	Resistor Array
Z2254	D1H810040003	Resistor Array
Z2255	D1H810040003	Resistor Array
Z2256	D1H810040003	Resistor Array
Z2257	D1H810040003	Resistor Array
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Z2258	D1H810040003	Resistor Array
Z2259	D1H810040003	Resistor Array
Z2260	D1H810040003	Resistor Array
Z2261	D1H810040003	Resistor Array
Z2262	D1H810040003	Resistor Array
Z2263	D1H810040003	Resistor Array
Z2264	D1H810040003	Resistor Array
Z2265	D1H810040003	Resistor Array
Z2266	D1H810040003	Resistor Array
Z2267	D1H810040003	Resistor Array
Z2268	D1H810040003	Resistor Array
Z2269	D1H810040003	Resistor Array
Z2270	D1H810040003	Resistor Array
Z2271	D1H810040003	Resistor Array
Z2272	D1H810040003	Resistor Array
Z2273	D1H810040003	Resistor Array
Z2274	D1H810040003	Resistor Array
Z2275	D1H810040003	Resistor Array
Z2276	D1H810040003	Resistor Array
Z2277	D1H810040003	Resistor Array
Z2278	EXBV8VR000V	Resistor Array
Z2279	EXBV8VR000V	Resistor Array
Z2280	EXBV8VR000V	Resistor Array
Z2281	EXBV8VR000V	Resistor Array
Z2282	EXBV8VR000V	Resistor Array
Z2283	EXBV8VR000V	Resistor Array
Z2284	EXBV8VR000V	Resistor Array
Z2285	EXBV8VR000V	Resistor Array
Z2286	D1H810040003	Resistor Array
Z2287	D1H810040003	Resistor Array
Z2288	D1H810040003	Resistor Array
Z2289	D1H810040003	Resistor Array
Z2290	D1H810040003	Resistor Array
Z2291	D1H810040003	Resistor Array
Z2292	D1H810040003	Resistor Array
Z2293	D1H810040003	Resistor Array
Z2294	D1H810040003	Resistor Array
Z2295	D1H810040003	Resistor Array
Z2296	D1H810040003	Resistor Array

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Z2297	D1H810040003	Resistor Array
Z2298	D1H810040003	Resistor Array
Z2299	D1H810040003	Resistor Array
Z2300	D1H810040003	Resistor Array
Z2301	D1H810040003	Resistor Array
Z2302	D1H810040003	Resistor Array
Z2303	D1H810040003	Resistor Array
Z2304	D1H810040003	Resistor Array
Z2305	D1H810040003	Resistor Array
Z2306	D1H810040003	Resistor Array
Z2307	D1H810040003	Resistor Array
Z2308	D1H810040003	Resistor Array
Z2309	D1H810040003	Resistor Array
Z2310	D1H810040003	Resistor Array
Z2311	D1H810040003	Resistor Array
Z2312	D1H810040003	Resistor Array
Z2313	D1H810040003	Resistor Array
Z2314	D1H810040003	Resistor Array
Z2315	D1H810040003	Resistor Array
	CA	PACITORS
C2000	F2G1E4R70008	4.7 / M / 25V
C2001	F2G0G2210002	220/M/4V
C2002	ECUX1H101JCV	100p / J / 50V
C2003	ECUX1H101JCV	100p / J / 50V
C2004	ECUX1E104ZFV	0.1 / Z / 25V
C2005	F2G1A1010013	100 / M / 10V
C2006	ECUX1H101JCV	100p / J / 50V
C2007	ECUX1E104ZFV	0.1 / Z / 25V
C2008	ECUX1E104ZFV	0.1 / Z / 25V
C2009	ECUX1H101JCV	100p / J / 50V
C2010	ECUX1H101JCV	100p / J / 50V
C2011	F2G1A1010013	100 / M / 10V
C2012	ECUX1E104ZFV	0.1 / Z / 25V
C2013	ECUX1E104ZFV	0.1 / Z / 25V
C2014	F2G1E4R70008	4.7 / M / 25V
C2015	F2G0G2210002	220/M/4V
C2108	ECUX1E104ZFV	0.1 / Z / 25V
C2109	ECUX1E104ZFV	0.1 / Z / 25V
C2110	ECUX1E104ZFV	0.1 / Z / 25V
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C2111	ECUX1E104ZFV	0.1 / Z / 25V
C2112	ECUX1E104ZFV	0.1 / Z / 25V
C2113	ECUX1E104ZFV	0.1 / Z / 25V
C2114	ECUX1E104ZFV	0.1 / Z / 25V
C2115	ECUX1E104ZFV	0.1 / Z / 25V
C2116	ECUX1E104ZFV	0.1 / Z / 25V
C2110	ECUX1E104ZFV	0.1 / Z / 25V
C2117	ECUX1E104ZFV	0.1 / Z / 25V
C2118	ECUX1E104ZFV	0.1 / Z / 25V
C2119	ECUX1H101JCV	100p / J / 50V
C2120		<u> </u>
	ECUX1H101JCV	100p / J / 50V
C2122	ECUX1E104ZFV	0.1 / Z / 25V
C2123	ECUX1H101JCV	100p / J / 50V
C2124	ECUX1E104ZFV	0.1 / Z / 25V
C2125	ECUX1H101JCV	100p / J / 50V
C2126	ECUX1E104ZFV	0.1 / Z / 25V
C2127	ECUX1H101JCV	100p / J / 50V
C2128	ECUX1E104ZFV	0.1 / Z / 25V
C2129	ECUX1H101JCV	100p / J / 50V
C2130	ECUX1E104ZFV	0.1 / Z / 25V
C2131	ECUX1H101JCV	100p / J / 50V
C2132	ECUX1E104ZFV	0.1 / Z / 25V
C2133	ECUX1H101JCV	100p / J / 50V
C2134	ECUX1E104ZFV	0.1 / Z / 25V
C2135	ECUX1H101JCV	100p / J / 50V
C2136	ECUX1E104ZFV	0.1 / Z / 25V
C2137	ECUX1H101JCV	100p / J / 50V
C2138	ECUX1E104ZFV	0.1 / Z / 25V
C2139	ECUX1H101JCV	100p / J / 50V
C2140	ECUX1E104ZFV	0.1 / Z / 25V
C2141	ECUX1H101JCV	100p / J / 50V
C2142	ECUX1E104ZFV	0.1 / Z / 25V
C2143	ECUX1E104ZFV	0.1 / Z / 25V
C2144	ECUX1E104ZFV	0.1 / Z / 25V
C2145	ECUX1H101JCV	100p / J / 50V
C2146	ECUX1E104ZFV	0.1 / Z / 25V
C2147	ECUX1E104ZFV	0.1 / Z / 25V
C2148	ECUX1E104ZFV	0.1 / Z / 25V
C2149	ECUX1H101JCV	100p / J / 50V

C2150	ECUX1H101JCV	100p / J / 50V
C2151	ECUX1H101JCV	100p / J / 50V
	ECUX1E104ZFV	0.1 / Z / 25V
C2153	ECUX1E104ZFV	0.1 / Z / 25V
C2154	ECUX1H101JCV	100p / J / 50V
	ECUX1H101JCV	100p / J / 50V
C2227	ECUX1E104ZFV	0.1 / Z / 25V
C2228	ECUX1E104ZFV	0.1 / Z / 25V
C2229	ECUX1E104ZFV	0.1 / Z / 25V
C2230	ECUX1E104ZFV	0.1 / Z / 25V
C2231	ECUX1E104ZFV	0.1 / Z / 25V
C2232	ECUX1E104ZFV	0.1 / Z / 25V
C2233	ECUX1E104ZFV	0.1 / Z / 25V
C2234	ECUX1E104ZFV	0.1 / Z / 25V
C2235	ECUX1E104ZFV	0.1 / Z / 25V
C2236	ECUX1E104ZFV	0.1 / Z / 25V
C2237	ECUX1E104ZFV	0.1 / Z / 25V
C2238	ECUX1E104ZFV	0.1 / Z / 25V
C2239	ECUX1H101JCV	100p / J / 50V
C2240	ECUX1H101JCV	100p / J / 50V
C2241	ECUX1E104ZFV	0.1 / Z / 25V
C2242	ECUX1H101JCV	100p / J / 50V
C2243	ECUX1E104ZFV	0.1 / Z / 25V
C2244	ECUX1H101JCV	100p / J / 50V
C2245	ECUX1E104ZFV	0.1 / Z / 25V
C2246	ECUX1H101JCV	100p / J / 50V
C2247	ECUX1E104ZFV	0.1 / Z / 25V
C2248	ECUX1H101JCV	100p / J / 50V
C2249	ECUX1E104ZFV	0.1 / Z / 25V
C2250	ECUX1H101JCV	100p / J / 50V
C2251	ECUX1E104ZFV	0.1 / Z / 25V
C2252	ECUX1H101JCV	100p / J / 50V
C2253	ECUX1E104ZFV	0.1 / Z / 25V
C2254	ECUX1H101JCV	100p / J / 50V
C2255	ECUX1E104ZFV	0.1 / Z / 25V
C2256	ECUX1H101JCV	100p / J / 50V
C2257	ECUX1E104ZFV	0.1 / Z / 25V
C2258	ECUX1H101JCV	100p / J / 50V
C2259	ECUX1E104ZFV	0.1 / Z / 25V

C2260	ECUX1H101JCV	100p / J / 50V
C2261	ECUX1E104ZFV	0.1 / Z / 25V
C2262	ECUX1E104ZFV	0.1 / Z / 25V
C2263	ECUX1E104ZFV	0.1 / Z / 25V
C2264	ECUX1H101JCV	100p / J / 50V
C2265	ECUX1E104ZFV	0.1 / Z / 25V
C2266	ECUX1E104ZFV	0.1 / Z / 25V
C2267	ECUX1E104ZFV	0.1 / Z / 25V
C2268	ECUX1H101JCV	100p / J / 50V
C2269	ECUX1H101JCV	100p / J / 50V
C2270	ECUX1H101JCV	100p / J / 50V
C2271	ECUX1E104ZFV	0.1 / Z / 25V
C2272	ECUX1E104ZFV	0.1 / Z / 25V
C2273	ECUX1H101JCV	100p / J / 50V
C2274	ECUX1H101JCV	100p / J / 50V
C2365	ECUX1E104ZFV	0.1 / Z / 25V
C2366	ECUX1E104ZFV	0.1 / Z / 25V
C2367	ECUX1E104ZFV	0.1 / Z / 25V
C2368	ECUX1E104ZFV	0.1 / Z / 25V
C2369	ECUX1E104ZFV	0.1 / Z / 25V
C2370	ECUX1E104ZFV	0.1 / Z / 25V
C2371	ECUX1E104ZFV	0.1 / Z / 25V
C2372	ECUX1E104ZFV	0.1 / Z / 25V
C2373	ECUX1E104ZFV	0.1 / Z / 25V
C2374	ECUX1H101JCV	100p / J / 50V
C2375	ECUX1H101JCV	100p / J / 50V
C2376	ECUX1H101JCV	100p / J / 50V
C2377	ECUX1E104ZFV	0.1 / Z / 25V
C2378	ECUX1E104ZFV	0.1 / Z / 25V
C2379	ECUX1E104ZFV	0.1 / Z / 25V
C2380	ECUX1H101JCV	100p / J / 50V
C2381	ECUX1H101JCV	100p / J / 50V
C2382	ECUX1H101JCV	100p / J / 50V
C2383	ECUX1E104ZFV	0.1 / Z / 25V
C2384	ECUX1E104ZFV	0.1 / Z / 25V
C2385	ECUX1H101JCV	100p / J / 50V
C2386	ECUX1H101JCV	100p / J / 50V
C2387	ECUX1E104ZFV	0.1 / Z / 25V
C2388	ECUX1E104ZFV	0.1 / Z / 25V

C2389	ECUX1E104ZFV	0.1 / Z / 25V
C2390	ECUX1H101JCV	100p / J / 50V
C2391	ECUX1H101JCV	100p / J / 50V
C2392	ECUX1H101JCV	100p / J / 50V
C2393	ECUX1E104ZFV	0.1 / Z / 25V
C2394	ECUX1E104ZFV	0.1 / Z / 25V
C2395	ECUX1E104ZFV	0.1 / Z / 25V
C2396	ECUX1H101JCV	100p / J / 50V
C2397	ECUX1E104ZFV	0.1 / Z / 25V
C2398	ECUX1E104ZFV	0.1 / Z / 25V
C2399	ECUX1H101JCV	100p / J / 50V
C2400	ECUX1E104ZFV	0.1 / Z / 25V
C2401	ECUX1E104ZFV	0.1 / Z / 25V
C2402	ECUX1E104ZFV	0.1 / Z / 25V
C2403	ECUX1E104ZFV	0.1 / Z / 25V
C2404	ECUX1E104ZFV	0.1 / Z / 25V
C2405	ECUX1H101JCV	100p / J / 50V
C2406	ECUX1E104ZFV	0.1 / Z / 25V
C2407	ECUX1E104ZFV	0.1 / Z / 25V
C2408	ECUX1E104ZFV	0.1 / Z / 25V
C2409	ECUX1H101JCV	100p / J / 50V
C2410	ECUX1H101JCV	100p / J / 50V
C2411	ECUX1E104ZFV	0.1 / Z / 25V
C2412	ECUX1E104ZFV	0.1 / Z / 25V
C2413	ECUX1H101JCV	100p / J / 50V
C2414	ECUX1H101JCV	100p / J / 50V
C2415	ECUX1E104ZFV	0.1 / Z / 25V
C2416	ECUX1E104ZFV	0.1 / Z / 25V
C2417	ECUX1E104ZFV	0.1 / Z / 25V
C2418	ECUX1H101JCV	100p / J / 50V
C2419	ECUX1H101JCV	100p / J / 50V
C2420	ECUX1H101JCV	100p / J / 50V
C2421	ECUX1E104ZFV	0.1 / Z / 25V
C2422	ECUX1E104ZFV	0.1 / Z / 25V
C2423	ECUX1E104ZFV	0.1 / Z / 25V
C2424	ECUX1H101JCV	100p / J / 50V
C2425	ECUX1H101JCV	100p / J / 50V
C2426	ECUX1H101JCV	100p / J / 50V
C2427	ECUX1E104ZFV	0.1 / Z / 25V

C2428	ECUX1E104ZFV	0.1 / Z / 25V
C2429	F2G1A1010013	100 / M / 10V
C2430	ECUX1H101JCV	100p / J / 50V
C2431	ECUX1E104ZFV	0.1 / Z / 25V
C2432	ECUX1H101JCV	100p / J / 50V
C2433	ECUX1E104ZFV	0.1 / Z / 25V
C2434	ECUX1H101JCV	100p / J / 50V
C2435	ECUX1E104ZFV	0.1 / Z / 25V
C2436	ECUX1H101JCV	100p / J / 50V
C2437	ECUX1E104ZFV	0.1 / Z / 25V
C2438	ECUX1H101JCV	100p / J / 50V
C2439	ECUX1E104ZFV	0.1 / Z / 25V
C2440	ECUX1H101JCV	100p / J / 50V
C2441	ECUX1E104ZFV	0.1 / Z / 25V
C2442	ECUX1H101JCV	100p / J / 50V
C2443	ECUX1H101JCV	100p / J / 50V
C2444	ECUX1E104ZFV	0.1 / Z / 25V
C2445	ECUX1H101JCV	100p / J / 50V
C2446	ECUX1E104ZFV	0.1 / Z / 25V
C2447	F2G1A1010013	100 / M / 10V
C2448	ECUX1H470JCV	47p / J / 50V
C2449	ECUX1H101JCV	100p / J / 50V
C2450	ECUX1E104ZFV	0.1 / Z / 25V
C2451	ECUX1H470JCV	47p / J / 50V
C2452	ECUX1H470JCV	47p / J / 50V
C2453	ECUX1E104ZFV	0.1 / Z / 25V
C2454	ECUX1H103KBV	0.01 / K / 50V
C2455	ECUX1H102KBV	1000p / K / 50V
C2456	ECUX1H102KBV	1000p / K / 50V
C2457	ECUX1E104ZFV	0.1 / Z / 25V
C2458	ECUX1H101JCV	100p / J / 50V
C2459	ECUX1H101JCV	100p / J / 50V
C2460	ECUX1E104ZFV	0.1 / Z / 25V
C2461	ECUX1E104ZFV	0.1 / Z / 25V
C2462	ECUX1E104ZFV	0.1 / Z / 25V
C2463	ECUX1E104ZFV	0.1 / Z / 25V
C2464	F2G1E4R70008	4.7 / M / 25V
C2465	F2G1E4R70008	4.7 / M / 25V
C2466	F2G1E4R70008	4.7 / M / 25V

C2467	ECUV1H222KBV	2200p / K / 50V
C2468	ECUX1C224ZFV	0.22 / Z / 16V
<u> </u>	ECUX1H120JCV	
C2469		12p / J / 50V
C2470	ECUX1H101JCV	100p / J / 50V
C2471	F2G1A1010013	100 / M / 10V
C2472	ECUX1E104ZFV	0.1 / Z / 25V
C2473	ECUX1H102KBV	1000p / K / 50V
C2474	ECUX1E104ZFV	0.1 / Z / 25V
C2475	ECUX1E104ZFV	0.1 / Z / 25V
C2476	ECUX1E104ZFV	0.1 / Z / 25V
C2477	ECUX1E104ZFV	0.1 / Z / 25V
C2478	ECUX1E104ZFV	0.1 / Z / 25V
C2479	ECUX1H102KBV	1000p / K / 50V
C2480	ECUX1E104ZFV	0.1 / Z / 25V
C2481	ECUX1E104ZFV	0.1 / Z / 25V
C2482	ECUX1H102KBV	1000p / K / 50V
C2483	ECUX1E104ZFV	0.1 / Z / 25V
C2484	ECUX1E104ZFV	0.1 / Z / 25V
C2485	ECUX1H102KBV	1000p / K / 50V
C2486	ECUX1E104ZFV	0.1 / Z / 25V
C2487	ECUX1E104ZFV	0.1 / Z / 25V
C2488	ECUX1H102KBV	1000p / K / 50V
C2489	ECUX1E104ZFV	0.1 / Z / 25V
C2490	ECUX1H102KBV	1000p / K / 50V
C2491	ECUX1E104ZFV	0.1 / Z / 25V
C2492	ECUX1H102KBV	1000p / K / 50V
C2493	ECUX1E104ZFV	0.1 / Z / 25V
C2494	ECUX1E104ZFV	0.1 / Z / 25V
C2495	ECUX1H102KBV	1000p / K / 50V
C2496	ECUX1H102KBV	1000p / K / 50V
C2497	ECUX1E104ZFV	0.1 / Z / 25V
C2498	ECUX1H102KBV	1000p / K / 50V
C2499	ECUX1E104ZFV	0.1 / Z / 25V
C2500	ECUX1H102KBV	1000p / K / 50V
C2501	ECUX1E104ZFV	0.1 / Z / 25V
C2502	ECUX1H102KBV	1000p / K / 50V
C2503	ECUX1E104ZFV	0.1 / Z / 25V
C2504	ECUX1H102KBV	1000p / K / 50V
C2505	ECUX1E104ZFV	0.1 / Z / 25V

C2506	ECUX1H101JCV	100p / J / 50V
C2507	ECUX1H102KBV	1000p / K / 50V
C2508	ECUX1E104ZFV	0.1 / Z / 25V
C2509	ECUX1H102KBV	1000p / K / 50V
C2510	ECUX1E104ZFV	0.1 / Z / 25V
C2511	ECUX1H102KBV	1000p / K / 50V
C2512	F2G1A1010013	100 / M / 10V
C2513	ECUX1H101JCV	100p / J / 50V
C2514	ECUX1H101JCV	100p / J / 50V
C2515	ECUX1H101JCV	100p / J / 50V
C2516	ECUX1E104ZFV	0.1 / Z / 25V
C2517	ECUX1H101JCV	100p / J / 50V
C2518	ECUX1E104ZFV	0.1 / Z / 25V
C2519	ECUX1H101JCV	100p / J / 50V
C2520	ECUX1E104ZFV	0.1 / Z / 25V
C2521	ECUX1H101JCV	100p / J / 50V
C2522	ECUX1E104ZFV	0.1 / Z / 25V
C2523	ECUX1H101JCV	100p / J / 50V
C2524	ECUX1E104ZFV	0.1 / Z / 25V
C2525	ECUX1H101JCV	100p / J / 50V
C2526	ECUX1E104ZFV	0.1 / Z / 25V
C2527	ECUX1H101JCV	100p / J / 50V
C2528	ECUV1H150JCV	15p / J / 50V
C2529	ECUV1H150JCV	15p / J / 50V
C2530	ECUX1H102KBV	1000p / K / 50V
C2531	ECJ1VB1C105K	1 / K / 16V
C2532	ECUX1H101JCV	100p / J / 50V
C2533	ECUX1E104ZFV	0.1 / Z / 25V
C2534	ECUX1E104ZFV	0.1 / Z / 25V
C2535	ECUX1H101JCV	100p / J / 50V
C2536	ECUX1H101JCV	100p / J / 50V
C2537	ECJ1VB1C105K	1 / K / 16V
C2538	ECUX1H101JCV	100p / J / 50V
C2539	ECUX1E104ZFV	0.1 / Z / 25V
C2540	ECUX1H101JCV	100p / J / 50V
C2541	ECUX1E104ZFV	0.1 / Z / 25V
C2542	ECUX1E104ZFV	0.1 / Z / 25V
C2543	ECUX1H101JCV	100p / J / 50V
C2544	ECUX1H101JCV	100p / J / 50V
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C2545	ECUX1E104ZFV	0.1 / Z / 25V
C2621	ECUX1H101JCV	100p / J / 50V
C2654	ECUX1H101JCV	100p / J / 50V
C2671	ECUX1E104ZFV	0.1 / Z / 25V
C2672	ECUX1H101JCV	100p / J / 50V
C2673	ECUX1E104ZFV	0.1 / Z / 25V
C2674	ECUX1H101JCV	100p / J / 50V
C2675	ECUX1E104ZFV	0.1 / Z / 25V
C2676	ECUX1H101JCV	100p / J / 50V
C2677	ECUX1E104ZFV	0.1 / Z / 25V
C2678	ECUX1H101JCV	100p / J / 50V
C2687	ECUX1H101JCV	100p / J / 50V
C2688	ECUX1E104ZFV	0.1 / Z / 25V
C2689	ECUX1H101JCV	100p / J / 50V
C2690	ECUX1E104ZFV	0.1 / Z / 25V
C2691	ECUX1H101JCV	100p / J / 50V
C2692	ECUX1E104ZFV	0.1 / Z / 25V
C2693	ECUX1H101JCV	100p / J / 50V
C2694	ECUX1E104ZFV	0.1 / Z / 25V
C2695	ECUX1H101JCV	100p / J / 50V
C2696	ECUX1E104ZFV	0.1 / Z / 25V
C2697	ECUX1H101JCV	100p / J / 50V
C2698	ECUX1E104ZFV	0.1 / Z / 25V
C2699	ECUX1H101JCV	100p / J / 50V
C2700	ECUX1E104ZFV	0.1 / Z / 25V
C2701	ECUX1H101JCV	100p / J / 50V
C2702	ECUX1E104ZFV	0.1 / Z / 25V
C2703	ECUX1H101JCV	100p / J / 50V
C2704	ECUX1E104ZFV	0.1 / Z / 25V
C2705	ECUX1H101JCV	100p / J / 50V
C2706	ECUX1E104ZFV	0.1 / Z / 25V
C2707	ECUX1H101JCV	100p / J / 50V
C2708	ECUX1E104ZFV	0.1 / Z / 25V
C2709	ECUX1H101JCV	100p / J / 50V
C2710	ECUX1E104ZFV	0.1 / Z / 25V
C2711	ECUX1H101JCV	100p / J / 50V
C2712	ECUX1E104ZFV	0.1 / Z / 25V
C2713	ECUX1H101JCV	100p / J / 50V
C2714	ECUX1E104ZFV	0.1 / Z / 25V

C2715 ECUX1H101JCV 100p / J / 50V C2716 ECUX1E104ZFV 0.1 / Z / 25V C2717 ECUX1H101JCV 100p / J / 50V C2718 ECUX1E104ZFV 0.1 / Z / 25V C2719 ECUX1H101JCV 100p / J / 50V C2720 ECUX1E104ZFV 0.1 / Z / 25V C2721 ECUX1H101JCV 100p / J / 50V C2722 ECUX1E104ZFV 0.1 / Z / 25V C2723 ECUX1H101JCV 100p / J / 50V C2724 ECUX1E104ZFV 0.1 / Z / 25V C2725 ECUX1H101JCV 100p / J / 50V C2726 F2G0G2210002 220/M/4V C2727 ECUX1E104ZFV 0.1 / Z / 25V C2728 ECUX1E104ZFV 0.1 / Z / 25V C2729 ECUX1H101JCV 100p / J / 50V C2730 ECUX1H101JCV 100p / J / 50V C2731 ECUX1H101JCV 100p / J / 50V C2732 ECUX1H101JCV 100p / J / 50V C2733 ECUX1H101JCV 100p / J / 50V C2734 ECUX1E104ZFV 0.1 / Z / 25V C2735 ECUX1E104ZFV 0.1 / Z / 25V C2736 ECUX1E104ZFV 0.1 / Z / 25V C2737 ECUX1E104ZFV 0.1 / Z / 25V C2738 ECUX1E104ZFV 0.1 / Z / 25V C2739 ECUX1E104ZFV 0.1 / Z / 25V C2731 ECUX1E104ZFV 0.1 / Z / 25V C2732 ECUX1E104ZFV 0.1 / Z / 25V C2733 ECUX1E104ZFV 0.1 / Z / 25V C2734 ECUX1E104ZFV 0.1 / Z / 25V C2735 ECUX1E104ZFV 0.1 / Z / 25V	
C2717 ECUX1H101JCV 100p / J / 50V C2718 ECUX1E104ZFV 0.1 / Z / 25V C2719 ECUX1H101JCV 100p / J / 50V C2720 ECUX1E104ZFV 0.1 / Z / 25V C2721 ECUX1H101JCV 100p / J / 50V C2722 ECUX1E104ZFV 0.1 / Z / 25V C2723 ECUX1H101JCV 100p / J / 50V C2724 ECUX1E104ZFV 0.1 / Z / 25V C2725 ECUX1H101JCV 100p / J / 50V C2726 F2G0G2210002 220/M/4V C2727 ECUX1E104ZFV 0.1 / Z / 25V C2728 ECUX1E104ZFV 0.1 / Z / 25V C2729 ECUX1H101JCV 100p / J / 50V C2730 ECUX1H101JCV 100p / J / 50V C2731 ECUX1H101JCV 100p / J / 50V C2732 ECUX1H101JCV 100p / J / 50V C2733 ECUX1H101JCV 100p / J / 50V C2734 ECUX1E104ZFV 0.1 / Z / 25V C2735 ECUX1H101JCV 100p / J / 50V C2736 ECUX1E104ZFV 0.1 / Z / 25V C2737 ECUX1H101JCV 100p / J / 50V C2738 ECUX1E104ZFV 0.1 / Z / 25V	
C2718 ECUX1E104ZFV 0.1 / Z / 25V C2719 ECUX1H101JCV 100p / J / 50V C2720 ECUX1E104ZFV 0.1 / Z / 25V C2721 ECUX1H101JCV 100p / J / 50V C2722 ECUX1E104ZFV 0.1 / Z / 25V C2723 ECUX1H101JCV 100p / J / 50V C2724 ECUX1E104ZFV 0.1 / Z / 25V C2725 ECUX1H101JCV 100p / J / 50V C2726 F2G0G2210002 220/M/4V C2727 ECUX1E104ZFV 0.1 / Z / 25V C2728 ECUX1E104ZFV 0.1 / Z / 25V C2729 ECUX1H101JCV 100p / J / 50V C2730 ECUX1H101JCV 100p / J / 50V C2731 ECUX1H101JCV 100p / J / 50V C2732 ECUX1H101JCV 100p / J / 50V C2733 ECUX1H101JCV 100p / J / 50V C2734 ECUX1E104ZFV 0.1 / Z / 25V C2734 ECUX1H101JCV 100p / J / 50V	
C2719 ECUX1H101JCV 100p / J / 50V C2720 ECUX1E104ZFV 0.1 / Z / 25V C2721 ECUX1H101JCV 100p / J / 50V C2722 ECUX1E104ZFV 0.1 / Z / 25V C2723 ECUX1H101JCV 100p / J / 50V C2724 ECUX1E104ZFV 0.1 / Z / 25V C2725 ECUX1H101JCV 100p / J / 50V C2726 F2G0G2210002 220/M/4V C2727 ECUX1E104ZFV 0.1 / Z / 25V C2728 ECUX1E104ZFV 0.1 / Z / 25V C2729 ECUX1H101JCV 100p / J / 50V C2730 ECUX1E104ZFV 0.1 / Z / 25V C2731 ECUX1H101JCV 100p / J / 50V C2732 ECUX1H101JCV 100p / J / 50V C2733 ECUX1E104ZFV 0.1 / Z / 25V C2734 ECUX1H101JCV 100p / J / 50V C2734 ECUX1H101JCV 100p / J / 50V	
C2720 ECUX1E104ZFV 0.1 / Z / 25V C2721 ECUX1H101JCV 100p / J / 50V C2722 ECUX1E104ZFV 0.1 / Z / 25V C2723 ECUX1H101JCV 100p / J / 50V C2724 ECUX1E104ZFV 0.1 / Z / 25V C2725 ECUX1H101JCV 100p / J / 50V C2726 F2G0G2210002 220/M/4V C2727 ECUX1E104ZFV 0.1 / Z / 25V C2728 ECUX1E104ZFV 0.1 / Z / 25V C2729 ECUX1H101JCV 100p / J / 50V C2730 ECUX1E104ZFV 0.1 / Z / 25V C2731 ECUX1H101JCV 100p / J / 50V C2732 ECUX1H101JCV 100p / J / 50V C2733 ECUX1H101JCV 100p / J / 50V C2734 ECUX1H101JCV 100p / J / 50V	
C2721 ECUX1H101JCV 100p / J / 50V C2722 ECUX1E104ZFV 0.1 / Z / 25V C2723 ECUX1H101JCV 100p / J / 50V C2724 ECUX1E104ZFV 0.1 / Z / 25V C2725 ECUX1H101JCV 100p / J / 50V C2726 F2G0G2210002 220/M/4V C2727 ECUX1E104ZFV 0.1 / Z / 25V C2728 ECUX1E104ZFV 0.1 / Z / 25V C2729 ECUX1H101JCV 100p / J / 50V C2730 ECUX1E104ZFV 0.1 / Z / 25V C2731 ECUX1H101JCV 100p / J / 50V C2732 ECUX1E104ZFV 0.1 / Z / 25V C2733 ECUX1E104ZFV 0.1 / Z / 25V C2734 ECUX1H101JCV 100p / J / 50V C2734 ECUX1E104ZFV 0.1 / Z / 25V	
C2722 ECUX1E104ZFV 0.1 / Z / 25V C2723 ECUX1H101JCV 100p / J / 50V C2724 ECUX1E104ZFV 0.1 / Z / 25V C2725 ECUX1H101JCV 100p / J / 50V C2726 F2G0G2210002 220/M/4V C2727 ECUX1E104ZFV 0.1 / Z / 25V C2728 ECUX1E104ZFV 0.1 / Z / 25V C2729 ECUX1H101JCV 100p / J / 50V C2730 ECUX1E104ZFV 0.1 / Z / 25V C2731 ECUX1H101JCV 100p / J / 50V C2732 ECUX1H101JCV 100p / J / 50V C2733 ECUX1E104ZFV 0.1 / Z / 25V C2734 ECUX1H101JCV 100p / J / 50V	
C2723 ECUX1H101JCV 100p / J / 50V C2724 ECUX1E104ZFV 0.1 / Z / 25V C2725 ECUX1H101JCV 100p / J / 50V C2726 F2G0G2210002 220/M/4V C2727 ECUX1E104ZFV 0.1 / Z / 25V C2728 ECUX1E104ZFV 0.1 / Z / 25V C2729 ECUX1H101JCV 100p / J / 50V C2730 ECUX1E104ZFV 0.1 / Z / 25V C2731 ECUX1H101JCV 100p / J / 50V C2732 ECUX1E104ZFV 0.1 / Z / 25V C2733 ECUX1H101JCV 100p / J / 50V C2734 ECUX1H101JCV 100p / J / 50V C2734 ECUX1E104ZFV 0.1 / Z / 25V	
C2724 ECUX1E104ZFV 0.1 / Z / 25V C2725 ECUX1H101JCV 100p / J / 50V C2726 F2G0G2210002 220/M/4V C2727 ECUX1E104ZFV 0.1 / Z / 25V C2728 ECUX1E104ZFV 0.1 / Z / 25V C2729 ECUX1H101JCV 100p / J / 50V C2730 ECUX1E104ZFV 0.1 / Z / 25V C2731 ECUX1H101JCV 100p / J / 50V C2732 ECUX1E104ZFV 0.1 / Z / 25V C2733 ECUX1H101JCV 100p / J / 50V C2734 ECUX1H101JCV 100p / J / 50V C2734 ECUX1E104ZFV 0.1 / Z / 25V	
C2725 ECUX1H101JCV 100p / J / 50V C2726 F2G0G2210002 220/M/4V C2727 ECUX1E104ZFV 0.1 / Z / 25V C2728 ECUX1E104ZFV 0.1 / Z / 25V C2729 ECUX1H101JCV 100p / J / 50V C2730 ECUX1E104ZFV 0.1 / Z / 25V C2731 ECUX1H101JCV 100p / J / 50V C2732 ECUX1E104ZFV 0.1 / Z / 25V C2733 ECUX1H101JCV 100p / J / 50V C2734 ECUX1E104ZFV 0.1 / Z / 25V	
C2726 F2G0G2210002 220/M/4V C2727 ECUX1E104ZFV 0.1 / Z / 25V C2728 ECUX1E104ZFV 0.1 / Z / 25V C2729 ECUX1H101JCV 100p / J / 50V C2730 ECUX1E104ZFV 0.1 / Z / 25V C2731 ECUX1H101JCV 100p / J / 50V C2732 ECUX1E104ZFV 0.1 / Z / 25V C2733 ECUX1H101JCV 100p / J / 50V C2734 ECUX1E104ZFV 0.1 / Z / 25V	
C2727 ECUX1E104ZFV 0.1 / Z / 25V C2728 ECUX1E104ZFV 0.1 / Z / 25V C2729 ECUX1H101JCV 100p / J / 50V C2730 ECUX1E104ZFV 0.1 / Z / 25V C2731 ECUX1H101JCV 100p / J / 50V C2732 ECUX1E104ZFV 0.1 / Z / 25V C2733 ECUX1H101JCV 100p / J / 50V C2734 ECUX1E104ZFV 0.1 / Z / 25V	
C2728 ECUX1E104ZFV 0.1 / Z / 25V C2729 ECUX1H101JCV 100p / J / 50V C2730 ECUX1E104ZFV 0.1 / Z / 25V C2731 ECUX1H101JCV 100p / J / 50V C2732 ECUX1E104ZFV 0.1 / Z / 25V C2733 ECUX1H101JCV 100p / J / 50V C2734 ECUX1E104ZFV 0.1 / Z / 25V	
C2729 ECUX1H101JCV 100p / J / 50V C2730 ECUX1E104ZFV 0.1 / Z / 25V C2731 ECUX1H101JCV 100p / J / 50V C2732 ECUX1E104ZFV 0.1 / Z / 25V C2733 ECUX1H101JCV 100p / J / 50V C2734 ECUX1E104ZFV 0.1 / Z / 25V	
C2730 ECUX1E104ZFV 0.1 / Z / 25V C2731 ECUX1H101JCV 100p / J / 50V C2732 ECUX1E104ZFV 0.1 / Z / 25V C2733 ECUX1H101JCV 100p / J / 50V C2734 ECUX1E104ZFV 0.1 / Z / 25V	
C2731 ECUX1H101JCV 100p / J / 50V C2732 ECUX1E104ZFV 0.1 / Z / 25V C2733 ECUX1H101JCV 100p / J / 50V C2734 ECUX1E104ZFV 0.1 / Z / 25V	
C2732 ECUX1E104ZFV 0.1 / Z / 25V C2733 ECUX1H101JCV 100p / J / 50V C2734 ECUX1E104ZFV 0.1 / Z / 25V	
C2733 ECUX1H101JCV 100p / J / 50V C2734 ECUX1E104ZFV 0.1 / Z / 25V	
C2734 ECUX1E104ZFV 0.1 / Z / 25V	
C2735 ECUX1E1047E\/ 0.1 / 7 / 25\/	
OZTOO LOUATETOHZEV U.17 Z 7 Z 2 V	
C2736 F2G0G2210002 220/M/4V	
C2737 ECUX1H101JCV 100p / J / 50V	
C2738 ECUX1H102KBV 1000p / K / 50V	
C2739 ECUX1E104ZFV 0.1 / Z / 25V	
C2740 ECUX1E104ZFV 0.1 / Z / 25V	
C2741 ECUX1H101JCV 100p / J / 50V	
C2742 ECUX1H101JCV 100p / J / 50V	
C2743 ECUX1E104ZFV 0.1 / Z / 25V	
C2744 ECUX1E104ZFV 0.1 / Z / 25V	
C2745 ECUX1H101JCV 100p / J / 50V	
C2746 ECUX1H101JCV 100p / J / 50V	
C2747 ECUX1E104ZFV 0.1 / Z / 25V	
C2748 ECUX1E104ZFV 0.1 / Z / 25V	
C2749 ECUX1H101JCV 100p / J / 50V	
C2750 ECUX1H101JCV 100p / J / 50V	
C2751 F2G0G2210002 220/M/4V	
C2752 ECUX1E104ZFV 0.1 / Z / 25V	
C2753 ECUX1E104ZFV 0.1 / Z / 25V	

C2754	ECUX1E104ZFV	0.1 / Z / 25V
C2755	ECUX1E104ZFV	0.1 / Z / 25V
C2756	ECUX1E104ZFV	0.1 / Z / 25V
C2757	ECUX1H101JCV	100p / J / 50V
C2758	ECUX1H101JCV	100p / J / 50V
C2759	ECUX1H101JCV	100p / J / 50V
C2760	ECUX1H101JCV	100p / J / 50V
C2761	ECUX1H101JCV	<u> </u>
		100p / J / 50V
C2762	ECUX1E104ZFV	0.1 / Z / 25V
C2763	ECUX1E104ZFV	0.1 / Z / 25V
C2764	ECUX1E104ZFV	0.1 / Z / 25V
C2765	ECUX1E104ZFV	0.1 / Z / 25V
C2766	ECUX1E104ZFV	0.1 / Z / 25V
C2767	ECUX1H101JCV	100p / J / 50V
C2768	ECUX1H101JCV	100p / J / 50V
C2769	ECUX1H101JCV	100p / J / 50V
C2770	ECUX1H101JCV	100p / J / 50V
C2771	ECUX1H101JCV	100p / J / 50V
C2772	ECUX1E104ZFV	0.1 / Z / 25V
C2773	ECUX1E104ZFV	0.1 / Z / 25V
C2774	ECUX1E104ZFV	0.1 / Z / 25V
C2775	ECUX1E104ZFV	0.1 / Z / 25V
C2776	ECUX1E104ZFV	0.1 / Z / 25V
C2777	ECUX1H101JCV	100p / J / 50V
C2778	ECUX1H101JCV	100p / J / 50V
C2779	ECUX1H101JCV	100p / J / 50V
C2780	ECUX1H101JCV	100p / J / 50V
C2781	ECUX1H101JCV	100p / J / 50V
C2782	ECUX1E104ZFV	0.1 / Z / 25V
C2783	ECUX1E104ZFV	0.1 / Z / 25V
C2784	ECUX1E104ZFV	0.1 / Z / 25V
C2785	ECUX1E104ZFV	0.1 / Z / 25V
C2786	ECUX1E104ZFV	0.1 / Z / 25V
C2787	ECUX1H101JCV	100p / J / 50V
C2788	ECUX1H101JCV	100p / J / 50V
C2789	ECUX1H101JCV	100p / J / 50V
C2790	ECUX1H101JCV	100p / J / 50V
C2791	ECUX1H101JCV	100p / J / 50V
C2792	ECUX1E104ZFV	0.1 / Z / 25V

C2793	ECUX1E104ZFV	0.1 / Z / 25V
C2794	ECUX1H101JCV	100p / J / 50V
C2795	ECUX1H101JCV	100p / J / 50V
C2796	ECUX1E104ZFV	0.1 / Z / 25V
C2797	ECUX1H101JCV	100p / J / 50V
C2798	ECUX1E104ZFV	0.1 / Z / 25V
C2799	ECUX1H101JCV	
C2799	ECUX1E104ZFV	100p / J / 50V 0.1 / Z / 25V
C2801	ECUX1H101JCV	100p / J / 50V
C2802	ECUX1E104ZFV	0.1 / Z / 25V
C2803	ECUX1H101JCV	100p / J / 50V
C2804	ECUX1H102KBV	1000p / K / 50V
C2805	F2G0G2210002	220/M/4V
C2806	ECUX1E104ZFV	0.1 / Z / 25V
C2807	ECUX1E104ZFV	0.1 / Z / 25V
C2808	ECUX1H101JCV	100p / J / 50V
C2809	ECUX1H101JCV	100p / J / 50V
C2810	ECUX1E104ZFV	0.1 / Z / 25V
C2811	ECUX1E104ZFV	0.1 / Z / 25V
C2812	ECUX1H101JCV	100p / J / 50V
C2813	ECUX1H101JCV	100p / J / 50V
C2814	ECUX1E104ZFV	0.1 / Z / 25V
C2815	ECUX1E104ZFV	0.1 / Z / 25V
C2816	ECUX1H101JCV	100p / J / 50V
C2817	ECUX1H101JCV	100p / J / 50V
C2818	ECUX1E104ZFV	0.1 / Z / 25V
C2819	ECUX1E104ZFV	0.1 / Z / 25V
C2820	ECUX1E104ZFV	0.1 / Z / 25V
C2821	ECUX1E104ZFV	0.1 / Z / 25V
C2822	ECUX1H101JCV	100p / J / 50V
C2823	ECUX1H101JCV	100p / J / 50V
C2824	ECUX1H101JCV	100p / J / 50V
C2825	ECUX1H101JCV	100p / J / 50V
C2826	ECUX1E104ZFV	0.1 / Z / 25V
C2827	ECUX1E104ZFV	0.1 / Z / 25V
C2828	ECUX1E104ZFV	0.1 / Z / 25V
C2829	ECUX1E104ZFV	0.1 / Z / 25V
C2830	ECUX1H101JCV	100p / J / 50V
C2831	ECUX1H101JCV	100p / J / 50V

C2832	ECUX1H101JCV	100p / J / 50V
C2833	ECUX1H101JCV	100p / J / 50V
C2834	ECUX1E104ZFV	0.1 / Z / 25V
C2835	ECUX1E104ZFV	0.1 / Z / 25V
C2836	ECUX1E104ZFV	0.1 / Z / 25V
C2837	ECUX1E104ZFV	0.1 / Z / 25V
C2838	ECUX1H101JCV	100p / J / 50V
C2839	ECUX1H101JCV	100p / J / 50V
C2840	ECUX1H101JCV	100p / J / 50V
C2841	ECUX1H101JCV	100p / J / 50V
C2842	ECUX1E104ZFV	0.1 / Z / 25V
C2843	ECUX1E104ZFV	0.1 / Z / 25V
C2844	ECUX1E104ZFV	0.1 / Z / 25V
C2845	ECUX1E104ZFV	0.1 / Z / 25V
C2846	ECUX1H101JCV	100p / J / 50V
C2847	ECUX1H101JCV	100p / J / 50V
C2848	ECUX1H101JCV	100p / J / 50V
C2849	ECUX1H101JCV	
C2850	ECUX1E104ZFV	100p / J / 50V 0.1 / Z / 25V
C2851	ECUX1E104ZFV	0.1 / Z / 25V
C2852	ECUX1H101JCV	100p / J / 50V
C2853	ECUX1H101JCV	<u> </u>
		100p / J / 50V
C2854 C2855	ECUX1E104ZFV	0.1 / Z / 25V
	ECUX1E104ZFV	0.1 / Z / 25V
C2856	F2G0G2210002	220/M/4V
C2857	ECUX1H821JCV	820p / J / 50V
C2858	ECUX1E104ZFV	0.1 / Z / 25V
C2859	ECUX1H101JCV	100p / J / 50V
C2860	ECUX1E104ZFV	0.1 / Z / 25V
C2861	ECUX1H101JCV	100p / J / 50V
C2862	ECUX1E104ZFV	0.1 / Z / 25V
C2863	ECUX1H101JCV	100p / J / 50V
C2864	ECUX1E104ZFV	0.1 / Z / 25V
C2865	ECUX1E104ZFV	0.1 / Z / 25V
C2866	ECUX1E104ZFV	0.1 / Z / 25V
C2867	ECUX1E104ZFV	0.1 / Z / 25V
C2868	ECUX1H101JCV	100p / J / 50V
C2869	ECUX1H101JCV	100p / J / 50V
C2870	ECUX1H101JCV	100p / J / 50V

C2871	ECUX1H101JCV	100p / J / 50V
C2872	ECUX1E104ZFV	0.1 / Z / 25V
C2873	ECUX1E104ZFV	0.1 / Z / 25V
C2874	ECUX1E104ZFV	0.1 / Z / 25V
C2875	ECUX1E104ZFV	0.1 / Z / 25V
C2876	ECUX1H101JCV	100p / J / 50V
C2877	ECUX1H101JCV	100p / J / 50V
C2878	ECUX1H101JCV	100p / J / 50V
C2879	ECUX1H101JCV	100p / J / 50V
C2880	ECUX1E104ZFV	0.1 / Z / 25V
C2881	ECUX1E104ZFV	0.1 / Z / 25V
C2882	ECUX1E104ZFV	0.1 / Z / 25V
C2883	ECUX1E104ZFV	0.1 / Z / 25V
C2884	ECUX1H101JCV	100p / J / 50V
C2885	ECUX1H101JCV	100p / J / 50V
C2886	ECUX1H101JCV	100p / J / 50V
C2887	ECUX1H101JCV	100p / J / 50V
C2888	ECUX1E104ZFV	0.1 / Z / 25V
C2889	ECUX1E104ZFV	0.1 / Z / 25V
C2890	ECUX1E104ZFV	0.1 / Z / 25V
C2891	ECUX1E104ZFV	0.1 / Z / 25V
C2892	ECUX1H101JCV	100p / J / 50V
C2893	ECUX1H101JCV	100p / J / 50V
C2894	ECUX1H101JCV	100p / J / 50V
C2895	ECUX1H101JCV	100p / J / 50V
C2896	F2G1A1010013	100 / M / 10V
C2897	F2G1C1000014	100 / M / 16V
C2898	ECUX1E104ZFV	0.1 / Z / 25V
C2899	ECUX1E104ZFV	0.1 / Z / 25V
C2900	F2G1C1000014	100 / M / 16V
C2901	ECUX1E104ZFV	0.1 / Z / 25V
C2902	ECUX1H101JCV	100p / J / 50V
C2903	ECUX1H101JCV	100p / J / 50V
C2904	ECUX1E104ZFV	0.1 / Z / 25V
C2905	ECUX1E104ZFV	0.1 / Z / 25V
C2906	ECUX1H101JCV	100p / J / 50V
C2907	ECUX1H101JCV	100p / J / 50V
C2908	ECUX1E104ZFV	0.1 / Z / 25V
C2909	ECUX1E104ZFV	0.1 / Z / 25V

C2910 ECUX1H101JCV 100p / J / 50V C2911 ECUX1H101JCV 100p / J / 50V C2912 ECUX1E104ZFV 0.1 / Z / 25V C2913 ECUX1H101JCV 100p / J / 50V C2914 ECUX1H101JCV 100p / J / 50V C2921 F2G0G2210002 220 / M / 4V C2922 F2G0G2210002 220 / M / 4V C2923 F2G0G2210002 220 / M / 4V C2924 F2G0G2210002 220 / M / 4V COILS L2015 BLM11A601SPT Core L2016 BLM11A601SPT Core L2017 BLM11A601SPT Core L2018 BLM11A601SPT Core L2019 BLM11A601SPT Core L2020 BLM11A601SPT Core L2021 BLM11A601SPT Core L2022 BLM11A601SPT Core L2031 BLM11A601SPT Core L2032 BLM11A601SPT Core L2048 BLM11A601SPT Core L2049 <th></th> <th></th> <th></th>			
C2912 ECUX1E104ZFV 0.1 / Z / 25V C2913 ECUX1H101JCV 100p / J / 50V C2914 ECUX1H101JCV 100p / J / 50V C2921 F2G0G2210002 220 / M / 4V C2922 F2G0G2210002 220 / M / 4V C2923 F2G0G2210002 220 / M / 4V C2924 F2G0G2210002 220 / M / 4V C2925 F2G0G2210002 220 / M / 4V C2925 F2G0G2210002 220 / M / 4V C2926 F2G0G2210002 C20 / M / 4V C2927 CORE C2015 BLM11A601SPT Core C2016 BLM11A601SPT Core C2017 BLM11A601SPT Core C2018 BLM11A601SPT Core C2019 BLM11A601SPT Core C2020 BLM11A601SPT Core C2020 BLM11A601SPT Core C2020 BLM11A601SPT Core C2021 BLM11A601SPT Core C2022 BLM11A601SPT Core C2023 BLM11A601SPT Core C2024 BLM11A601SPT Core C2025 BLM11A601SPT Core C2030 BLM11A601SPT Core C2031 BLM11A601SPT Core C2032 BLM11A601SPT Core C2033 BLM11A601SPT Core C2048 BLM11A601SPT Core C2050 BLM11A601SPT Core	C2910	ECUX1H101JCV	100p / J / 50V
C2913 ECUX1H101JCV 100p / J / 50V C2914 ECUX1H101JCV 100p / J / 50V C2921 F2G0G2210002 220 / M / 4V C2922 F2G0G2210002 220 / M / 4V C2923 F2G0G2210002 220 / M / 4V C2924 F2G0G2210002 220 / M / 4V C2925 F2G0G2210002 220 / M / 4V C2925 F2G0G2210002 220 / M / 4V C2926 F2G0G2210002 C20 / M / 4V C01LS C0	C2911	ECUX1H101JCV	100p / J / 50V
C2914 ECUX1H101JCV 100p / J / 50V C2921 F2G0G2210002 220 / M / 4V C2922 F2G0G2210002 220 / M / 4V C2923 F2G0G2210002 220 / M / 4V C2924 F2G0G2210002 220 / M / 4V C2925 F2G0G2210002 220 / M / 4V C2925 F2G0G2210002 220 / M / 4V C2915 ELM11A601SPT Core L2016 BLM11A601SPT Core L2017 BLM11A601SPT Core L2018 BLM11A601SPT Core L2019 BLM11A601SPT Core L2020 BLM11A601SPT Core L2020 BLM11A601SPT Core L2021 BLM11A601SPT Core L2022 BLM11A601SPT Core L2023 BLM11A601SPT Core L2024 BLM11A601SPT Core L2025 BLM11A601SPT Core L2029 BLM11A601SPT Core L2030 BLM11A601SPT Core L2031 BLM11A601SPT Core L2032 BLM11A601SPT Core L2034 BLM11A601SPT Core L2048 BLM11A601SPT Core L2048 BLM11A601SPT Core L2049 BLM11A601SPT Core L2050 BLM11A601SPT Core L2051 BLM11A601SPT Core L2051 BLM11A601SPT Core L2052 BLM11A601SPT Core L2053 BLM11A601SPT Core L2054 BLM11A601SPT Core	C2912	ECUX1E104ZFV	0.1 / Z / 25V
C2921 F2G0G2210002 220 / M / 4V C2922 F2G0G2210002 220 / M / 4V C2923 F2G0G2210002 220 / M / 4V C2924 F2G0G2210002 220 / M / 4V C2925 F2G0G2210002 220 / M / 4V C0925 F2G0G2210002 220 / M / 4V C01LS L2015 BLM11A601SPT Core L2016 BLM11A601SPT Core L2017 BLM11A601SPT Core L2018 BLM11A601SPT Core L2019 BLM11A601SPT Core L2020 BLM11A601SPT Core L2020 BLM11A601SPT Core L2027 BLM11A601SPT Core L2028 BLM11A601SPT Core L2029 BLM11A601SPT Core L2030 BLM11A601SPT Core L2030 BLM11A601SPT Core L2031 BLM11A601SPT Core L2032 BLM11A601SPT Core L2034 BLM11A601SPT Core L2048 BLM11A601SPT Core L2048 BLM11A601SPT Core L2049 BLM11A601SPT Core L2050 BLM11A601SPT Core L2050 BLM11A601SPT Core L2051 BLM11A601SPT Core L2052 BLM11A601SPT Core L2053 BLM11A601SPT Core L2054 BLM11A601SPT Core L2055 BLM11A601SPT Core	C2913	ECUX1H101JCV	100p / J / 50V
C2922 F2G0G2210002 220 / M / 4V C2923 F2G0G2210002 220 / M / 4V C2924 F2G0G2210002 220 / M / 4V C2925 F2G0G2210002 220 / M / 4V COILS L2015 BLM11A601SPT Core L2016 BLM11A601SPT Core L2017 BLM11A601SPT Core L2018 BLM11A601SPT Core L2019 BLM11A601SPT Core L2020 BLM11A601SPT Core L2020 BLM11A601SPT Core L2027 BLM11A601SPT Core L2028 BLM11A601SPT Core L2029 BLM11A601SPT Core L2029 BLM11A601SPT Core L2030 BLM11A601SPT Core L2031 BLM11A601SPT Core L2032 BLM11A601SPT Core L2031 BLM11A601SPT Core L2032 BLM11A601SPT Core L2048 BLM11A601SPT Core L2049 BLM11A601SPT Core L2050 BLM11A601SPT Core L2050 BLM11A601SPT Core L2051 BLM11A601SPT Core L2052 BLM11A601SPT Core L2053 BLM11A601SPT Core L2054 BLM11A601SPT Core	C2914	ECUX1H101JCV	100p / J / 50V
C2923 F2G0G2210002 220 / M / 4V C2924 F2G0G2210002 220 / M / 4V C2925 F2G0G2210002 220 / M / 4V COILS L2015 BLM11A601SPT Core L2016 BLM11A601SPT Core L2017 BLM11A601SPT Core L2018 BLM11A601SPT Core L2019 BLM11A601SPT Core L2020 BLM11A601SPT Core L2020 BLM11A601SPT Core L2027 BLM11A601SPT Core L2028 BLM11A601SPT Core L2029 BLM11A601SPT Core L2030 BLM11A601SPT Core L2031 BLM11A601SPT Core L2032 BLM11A601SPT Core L2034 BLM11A601SPT Core L2048 BLM11A601SPT Core L2050 BLM11A601SPT Core L2050 BLM11A601SPT Core L2050 BLM11A601SPT Core L2051 BLM11A601SPT Core L2052 BLM11A601SPT Core L2053 BLM11A601SPT Core L2054 BLM11A601SPT Core L2055 BLM11A601SPT Core	C2921	F2G0G2210002	220 / M / 4V
C2924 F2G0G2210002 220 / M / 4V C2925 F2G0G2210002 220 / M / 4V COILS L2015 BLM11A601SPT Core L2016 BLM11A601SPT Core L2017 BLM11A601SPT Core L2018 BLM11A601SPT Core L2019 BLM11A601SPT Core L2020 BLM11A601SPT Core L2028 BLM11A601SPT Core L2029 BLM11A601SPT Core L2030 BLM11A601SPT Core L2031 BLM11A601SPT Core L2048 BLM11A601SPT Core L2049 BLM11A601SPT Core L2050 BLM11A601SPT Core L2051 BLM1A601SPT Core L2053 BLM11A601SPT Core L2054 BLM11A601SPT Core L2055 BLM11A601SPT	C2922	F2G0G2210002	220 / M / 4V
C2925 F2G0G2210002 220 / M / 4V COILS L2015 BLM11A601SPT Core L2016 BLM11A601SPT Core L2017 BLM11A601SPT Core L2018 BLM11A601SPT Core L2019 BLM11A601SPT Core L2020 BLM11A601SPT Core L2027 BLM11A601SPT Core L2028 BLM11A601SPT Core L2029 BLM11A601SPT Core L2030 BLM11A601SPT Core L2031 BLM11A601SPT Core L2032 BLM11A601SPT Core L2048 BLM11A601SPT Core L2049 BLM11A601SPT Core L2050 BLM11A601SPT Core L2051 BLM11A601SPT Core L2053 BLM11A601SPT Core L2054 BLM11A601SPT Core L2055 BLM11A601SPT Core	C2923	F2G0G2210002	220 / M / 4V
COILS	C2924	F2G0G2210002	220 / M / 4V
L2015 BLM11A601SPT Core L2016 BLM11A601SPT Core L2017 BLM11A601SPT Core L2018 BLM11A601SPT Core L2019 BLM11A601SPT Core L2020 BLM11A601SPT Core L2027 BLM11A601SPT Core L2028 BLM11A601SPT Core L2029 BLM11A601SPT Core L2030 BLM11A601SPT Core L2031 BLM11A601SPT Core L2032 BLM11A601SPT Core L2048 BLM11A601SPT Core L2049 BLM11A601SPT Core L2050 BLM11A601SPT Core L2051 BLM11A601SPT Core L2052 BLM11A601SPT Core L2053 BLM11A601SPT Core L2054 BLM11A601SPT Core L2055 BLM11A601SPT Core	C2925	F2G0G2210002	220 / M / 4V
L2016 BLM11A601SPT Core L2017 BLM11A601SPT Core L2018 BLM11A601SPT Core L2019 BLM11A601SPT Core L2020 BLM11A601SPT Core L2027 BLM11A601SPT Core L2028 BLM11A601SPT Core L2029 BLM11A601SPT Core L2030 BLM11A601SPT Core L2031 BLM11A601SPT Core L2032 BLM11A601SPT Core L2048 BLM11A601SPT Core L2049 BLM11A601SPT Core L2050 BLM11A601SPT Core L2051 BLM11A601SPT Core L2052 BLM11A601SPT Core L2053 BLM11A601SPT Core L2054 BLM11A601SPT Core L2055 BLM11A601SPT Core			COILS
L2017 BLM11A601SPT Core L2018 BLM11A601SPT Core L2019 BLM11A601SPT Core L2020 BLM11A601SPT Core L2027 BLM11A601SPT Core L2028 BLM11A601SPT Core L2029 BLM11A601SPT Core L2030 BLM11A601SPT Core L2031 BLM11A601SPT Core L2032 BLM11A601SPT Core L2048 BLM11A601SPT Core L2049 BLM11A601SPT Core L2050 BLM11A601SPT Core L2051 BLM11A601SPT Core L2052 BLM11A601SPT Core L2053 BLM11A601SPT Core L2054 BLM11A601SPT Core L2055 BLM11A601SPT Core	L2015	BLM11A601SPT	Core
L2018 BLM11A601SPT Core L2019 BLM11A601SPT Core L2020 BLM11A601SPT Core L2027 BLM11A601SPT Core L2028 BLM11A601SPT Core L2029 BLM11A601SPT Core L2030 BLM11A601SPT Core L2031 BLM11A601SPT Core L2032 BLM11A601SPT Core L2048 BLM11A601SPT Core L2049 BLM11A601SPT Core L2050 BLM11A601SPT Core L2051 BLM11A601SPT Core L2052 BLM11A601SPT Core L2053 BLM11A601SPT Core L2054 BLM11A601SPT Core L2055 BLM11A601SPT Core	L2016	BLM11A601SPT	Core
L2019 BLM11A601SPT Core L2020 BLM11A601SPT Core L2027 BLM11A601SPT Core L2028 BLM11A601SPT Core L2029 BLM11A601SPT Core L2030 BLM11A601SPT Core L2031 BLM11A601SPT Core L2032 BLM11A601SPT Core L2048 BLM11A601SPT Core L2049 BLM11A601SPT Core L2050 BLM11A601SPT Core L2051 BLM11A601SPT Core L2052 BLM11A601SPT Core L2053 BLM11A601SPT Core L2054 BLM11A601SPT Core L2055 BLM11A601SPT Core	L2017	BLM11A601SPT	Core
L2020 BLM11A601SPT Core L2027 BLM11A601SPT Core L2028 BLM11A601SPT Core L2029 BLM11A601SPT Core L2030 BLM11A601SPT Core L2031 BLM11A601SPT Core L2032 BLM11A601SPT Core L2048 BLM11A601SPT Core L2049 BLM11A601SPT Core L2050 BLM11A601SPT Core L2051 BLM11A601SPT Core L2052 BLM11A601SPT Core L2053 BLM11A601SPT Core L2054 BLM11A601SPT Core L2055 BLM11A601SPT Core	L2018	BLM11A601SPT	Core
L2027 BLM11A601SPT Core L2028 BLM11A601SPT Core L2029 BLM11A601SPT Core L2030 BLM11A601SPT Core L2031 BLM11A601SPT Core L2032 BLM11A601SPT Core L2048 BLM11A601SPT Core L2049 BLM11A601SPT Core L2050 BLM11A601SPT Core L2051 BLM11A601SPT Core L2052 BLM11A601SPT Core L2053 BLM11A601SPT Core L2054 BLM11A601SPT Core L2055 BLM11A601SPT Core	L2019	BLM11A601SPT	Core
L2028 BLM11A601SPT Core L2029 BLM11A601SPT Core L2030 BLM11A601SPT Core L2031 BLM11A601SPT Core L2032 BLM11A601SPT Core L2048 BLM11A601SPT Core L2049 BLM11A601SPT Core L2050 BLM11A601SPT Core L2051 BLM11A601SPT Core L2052 BLM11A601SPT Core L2053 BLM11A601SPT Core L2054 BLM11A601SPT Core L2055 BLM11A601SPT Core	L2020	BLM11A601SPT	Core
L2029 BLM11A601SPT Core L2030 BLM11A601SPT Core L2031 BLM11A601SPT Core L2032 BLM11A601SPT Core L2048 BLM11A601SPT Core L2049 BLM11A601SPT Core L2050 BLM11A601SPT Core L2051 BLM11A601SPT Core L2052 BLM11A601SPT Core L2053 BLM11A601SPT Core L2054 BLM11A601SPT Core L2055 BLM11A601SPT Core	L2027	BLM11A601SPT	Core
L2030 BLM11A601SPT Core L2031 BLM11A601SPT Core L2032 BLM11A601SPT Core L2048 BLM11A601SPT Core L2049 BLM11A601SPT Core L2050 BLM11A601SPT Core L2051 BLM11A601SPT Core L2052 BLM11A601SPT Core L2053 BLM11A601SPT Core L2054 BLM11A601SPT Core L2055 BLM11A601SPT Core	L2028	BLM11A601SPT	Core
L2031 BLM11A601SPT Core L2032 BLM11A601SPT Core L2048 BLM11A601SPT Core L2049 BLM11A601SPT Core L2050 BLM11A601SPT Core L2051 BLM11A601SPT Core L2052 BLM11A601SPT Core L2053 BLM11A601SPT Core L2054 BLM11A601SPT Core L2055 BLM11A601SPT Core	L2029	BLM11A601SPT	Core
L2032 BLM11A601SPT Core L2048 BLM11A601SPT Core L2049 BLM11A601SPT Core L2050 BLM11A601SPT Core L2051 BLM11A601SPT Core L2052 BLM11A601SPT Core L2053 BLM11A601SPT Core L2054 BLM11A601SPT Core L2055 BLM11A601SPT Core	L2030	BLM11A601SPT	Core
L2048 BLM11A601SPT Core L2049 BLM11A601SPT Core L2050 BLM11A601SPT Core L2051 BLM11A601SPT Core L2052 BLM11A601SPT Core L2053 BLM11A601SPT Core L2054 BLM11A601SPT Core L2055 BLM11A601SPT Core	L2031	BLM11A601SPT	Core
L2049 BLM11A601SPT Core L2050 BLM11A601SPT Core L2051 BLM11A601SPT Core L2052 BLM11A601SPT Core L2053 BLM11A601SPT Core L2054 BLM11A601SPT Core L2055 BLM11A601SPT Core	L2032	BLM11A601SPT	Core
L2050 BLM11A601SPT Core L2051 BLM11A601SPT Core L2052 BLM11A601SPT Core L2053 BLM11A601SPT Core L2054 BLM11A601SPT Core L2055 BLM11A601SPT Core	L2048	BLM11A601SPT	Core
L2051 BLM11A601SPT Core L2052 BLM11A601SPT Core L2053 BLM11A601SPT Core L2054 BLM11A601SPT Core L2055 BLM11A601SPT Core	L2049	BLM11A601SPT	Core
L2052 BLM11A601SPT Core L2053 BLM11A601SPT Core L2054 BLM11A601SPT Core L2055 BLM11A601SPT Core	L2050	BLM11A601SPT	Core
L2053 BLM11A601SPT Core L2054 BLM11A601SPT Core L2055 BLM11A601SPT Core	L2051	BLM11A601SPT	Core
L2054 BLM11A601SPT Core L2055 BLM11A601SPT Core	L2052	BLM11A601SPT	Core
L2055 BLM11A601SPT Core	L2053	BLM11A601SPT	Core
	L2054	BLM11A601SPT	Core
L2056 BLM11A601SPT Core	L2055	BLM11A601SPT	Core
	L2056	BLM11A601SPT	Core
L2057 BLM11A601SPT Core	L2057	BLM11A601SPT	Core
L2058 BLM11A601SPT Core	L2058	BLM11A601SPT	Core
L2059 BLM11A601SPT Core	L2059	BLM11A601SPT	Core
L2060 BLM11A601SPT Core	L2060	BLM11A601SPT	Core
L2061 BLM11A601SPT Core	L2061	BLM11A601SPT	Core
L2062 BLM11A601SPT Core	L2062	BLM11A601SPT	Core
L2063 BLM11A601SPT Core	L2063	BLM11A601SPT	Core

L2064	BLM11A601SPT	Core
L2065	BLM11A601SPT	Core
L2066	BLM11A601SPT	Core
L2067	BLM11A601SPT	Core
L2068	BLM11A601SPT	Core
L2069	BLM11A601SPT	Core
L2070	BLM11A601SPT	Core
L2085	BLM11A601SPT	Core
L2087	BLM11A601SPT	Core
L2088	BLM11A601SPT	Core
L2089	BLM11A601SPT	Core
L2090	BLM11A601SPT	Core
L2100	BLM11A601SPT	Core
L2101	BLM11A601SPT	Core
L2102	BLM11A601SPT	Core
L2103	BLM11A601SPT	Core
L2104	BLM11A601SPT	Core
L2105	BLM11A601SPT	Core
L2106	BLM11A601SPT	Core
L2108	BLM11A601SPT	Core
L2109	BLM11A601SPT	Core
L2110	BLM11A601SPT	Core
L2111	BLM11A601SPT	Core
L2112	BLM11A601SPT	Core
L2113	BLM11A601SPT	Core
		DIODES
D2005	RB050L40TE25	Diode
D2006	BR1102W	LED
D2007	BR1102W	LED
D2008	BR1102W	LED
D2009	BR1102W	LED
	TRA	ANSISTORS
Q2002	PJVIDTC114EK	Transistor
Q2003	2SJ506STR	Transistor
Q2004	B1GBCFLL0002	Transistor
Q2005	B1GBCFLL0002	Transistor
Q2006	B1GBCFLL0002	Transistor
Q2007	B1GBCFLL0002	Transistor
Q2008	B1GBCFLL0002	Transistor
		,

ICs			
IC2000	UPC29M33T	IC, Regulator	_
IC2005	C0CBAAG00008	IC, Regulator	_
IC2006	C3ABPG000140	IC, D RAM	
IC2007	C3ABPG000140	IC, D RAM	_
IC2008	C3ABPG000140	IC, D RAM	_
IC2009	C0CBAAG00008	IC, Regulator	
IC2010	C3ABPG000140	IC, D RAM	_
IC2011	C3ABPG000140	IC, D RAM	
IC2012	C3ABPG000140	IC, D RAM	
IC2018	C3ABQG000034	IC, SD RAM	
IC2019	C3ABQG000034	IC, SD RAM	
IC2020	C3ABQG000034	IC, SD RAM	_
IC2021	C3ABQG000034	IC, SD RAM	
IC2022	H1Z8005B0001	Oscillator	
IC2023	H1Z9505B0001	Oscillator	
IC2024	H1Z1006B0001	Oscillator	
IC2025	C1ZBZ0002046	IC	
IC2026	SM530AYBD	IC	
IC2027	PI6C2509-133	IC	
IC2028	C0JBAZ001944	IC, CMOS Logic	
IC2029	C1DB00000906	IC	
IC2030	C1DB00000424	IC	
IC2031	C1DB00000971	IC	
IC2032	C0JBAZ002076	IC, CMOS Logic	
IC2033	C0JBAZ001411	IC, CMOS Logic	
IC2034	C0JBAQ000171	IC, CMOS Logic	
IC2045	C1ZBZ0002422	IC	
IC2046	C1ZBZ0002422	IC	
IC2047	C1ZBZ0002423	IC	
OTHERS			
CN2000	176381-6	Connector	
CN2007	390195-6	Connector	
CN2008	K1FB150B0040	Connector	
CN2009	K1FA104B0028	Connector	
CN2010	DF11-10DPDSA	Connector	
SW2003	K0ZZ00000431	Switch	
X2000	H0J200200002	Oscillator	

15.3 DRIVE Board

Ref. No.	Part No.	Part Name & Description	Remarks
	F	RESISTOR	
R4001	ERJ3GEYJ220	22 / J / 1/10W	
R4002	ERJ3GEYJ220	22 / J / 1/10W	
R4003	ERJ3GEYJ472	4.7K / J / 1/10W	
R4004	ERJ3GEYJ152	1.5k / J / 1/10W	
R4005	ERJ3GEYJ222	2.2K / J / 1/10W	
R4006	ERJ3GEYJ472	4.7K / J / 1/10W	
R4007	ERJ3GEYJ392	3.9K / J / 1/10W	
R4008	ERJ3GEYJ103	10K / J / 1/10W	
R4016	ERJ3GEYJ103	10K / J / 1/10W	
R4017	ERJ3GEYJ103	10K / J / 1/10W	
R4018	ERJ3GEYJ103	10K / J / 1/10W	
R4019	ERJ3GEYJ103	10K / J / 1/10W	
R4020	ERJ3GEYJ103	10K / J / 1/10W	
R4021	ERJ3GEYJ220	22 / J / 1/10W	
R4022	ERJ3GEYJ220	22 / J / 1/10W	
R4023	ERJ3GEYJ220	22 / J / 1/10W	
R4024	ERJ3GEYJ220	22 / J / 1/10W	
R4025	ERJ3GEYJ220	22 / J / 1/10W	
R4026	ERJ3GEYJ220	22 / J / 1/10W	
R4027	ERJ3GEYJ121	120 / J / 1/10W	
R4028	ERJ3GEYJ101	100 / J / 1/10W	
R4029	ERJ3GEYJ121	120 / J / 1/10W	
R4030	ERJ3GEYJ101	100 / J / 1/10W	
R4031	ERJ3GEYJ121	120 / J / 1/10W	
R4032	ERJ3GEYJ101	100 / J / 1/10W	
R4033	ERJ3GEYJ220	22 / J / 1/10W	
R4034	ERJ3GEYJ220	22 / J / 1/10W	
R4035	ERJ3GEYJ220	22 / J / 1/10W	
R4036	ERJ3GEYJ220	22 / J / 1/10W	
R4037	ERJ3GEYJ220	22 / J / 1/10W	
R4038	ERJ3GEYJ220	22 / J / 1/10W	
R4039	ERJ3GEYJ220	22 / J / 1/10W	

	1	
R4040	ERJ3GEYJ220	22 / J / 1/10W
R4041	ERJ3GEYJ220	22 / J / 1/10W
R4042	ERJ3GEYJ220	22 / J / 1/10W
R4043	ERJ3GEYJ220	22 / J / 1/10W
R4044	ERJ3GEYJ220	22 / J / 1/10W
R4045	ERJ3GEYJ220	22 / J / 1/10W
R4046	ERJ3GEYJ220	22 / J / 1/10W
R4047	ERJ3GEYJ220	22 / J / 1/10W
R4051	ERJ3GEYJ220	22 / J / 1/10W
R4052	ERJ3GEYJ220	22 / J / 1/10W
R4053	ERJ3GEYJ220	22 / J / 1/10W
R4054	ERJ3GEY0R00	0-ohm Jumper
R4056	ERJ3GEYJ472	4.7K / J / 1/10W
R4057	ERJ3GEYJ472	4.7K / J / 1/10W
R4058	ERJ3GEYJ104	100K / J / 1/10W
R4059	ERJ3GEYJ104	100K / J / 1/10W
R4060	ERJ3GEYJ105	1000K / J / 1/10W
R4061	ERJ3GEYJ105	1000K / J / 1/10W
R4062	ERJ12RSJR10U	0.1 / J / 1/2W
R4063	ERJ12RSJR10U	0.1 / J / 1/2W
R4064	ERJ12RSJR10U	0.1 / J / 1/2W
R4065	ERJ12RSJR10U	0.1 / J / 1/2W
R4073	ERJ6ENF1051	1.05K / F / 1/10W
R4074	ERJ6ENF1132	11.3K / F / 1/10W
R4075	ERJ3GEY0R00	0-ohm Jumper
R4077	ERJ3GEYJ100	10 / J / 1/10W
R4078	ERJ3GEYJ100	10 / J / 1/10W
R4079	ERJ3GEYJ100	10 / J / 1/10W
R4080	ERJ3GEYJ180	18 / J / 1/10W
R4081	ERJ3GEYJ180	18 / J / 1/10W
	CA	PACITORS
C4001	ECUX1E104ZFV	0.1 / Z / 25V
C4002	ECUX1E104ZFV	0.1 / Z / 25V
C4003	ECUX1E104ZFV	0.1 / Z / 25V
C4004	F2G1A1010013	100 / M / 10V
C4005	F2G1A1010013	100 / M / 10V
C4006	F2G1A1010013	100 / M / 10V
C4007	ECUX1E104ZFV	0.1 / Z / 25V
C4008	ECUX1E104ZFV	0.1 / Z / 25V
,	1	1

C4009	ECUX1E104ZFV	0.1 / Z / 25V
C4010	EEEFC1V101P	100 / M / 35V
C4011	EEEFC1V101P	100 / M / 35V
C4012	EEEFC1V101P	100 / M / 35V
C4013	EEEFC1V101P	100 / M / 35V
C4014	EEEFC1V101P	100 / M / 35V
C4015	EEEFC1V101P	100 / M / 35V
C4016	EEEFC1V101P	100 / M / 35V
C4019	ECUX1E104ZFV	0.1 / Z / 25V
C4020	ECUX1E104ZFV	0.1 / Z / 25V
C4021	ECUX1E104ZFV	0.1 / Z / 25V
C4026	EEEFC1V101P	100 / M / 35V
C4027	EEEFC1V101P	100 / M / 35V
C4028	EEEFC1V101P	100 / M / 35V
C4029	EEEFC1V101P	100 / M / 35V
C4030	EEEFC1V101P	100 / M / 35V
C4031	ECUX1H102KBV	1000p / K / 50V
C4032	ECUX1H102KBV	1000p / K / 50V
C4033	EEEFC1V101P	100 / M / 35V
C4034	EEEFC1V101P	100 / M / 35V
C4035	EEEFC1V101P	100 / M / 35V
C4036	ECUX1H103KBV	0.01 / K / 50V
C4037	ECUX1H103KBV	0.01 / K / 50V
C4038	ECUX1H473ZFV	0.047 / Z / 50V
C4039	ECUX1H473ZFV	0.047 / Z / 50V
C4040	ECUX1H102KBV	1000p / K / 50V
C4041	ECUX1H102KBV	1000p / K / 50V
C4042	ECUX1H103KBV	0.01 / K / 50V
C4043	ECUX1H103KBV	0.01 / K / 50V
C4044	EEEFC1V101P	100 / M / 35V
C4050	EEFCD0K330R	33 / M / 8V
C4051	EEFCD0K330R	33 / M / 8V
C4052	ECUX1H102KBV	1000p / K / 50V
C4053	EEEFC1C221P	220 / M / 16V
C4054	EEEFC1C221P	220 / M / 16V
C4055	ECUX1H101JCV	100p / J / 50V
C4056	ECUX1H100DCV	10p / D / 50V
C4057	ECUX1H102KBV	1000p / K / 50V
C4058	ECUX1H102KBV	1000p / K / 50V

C4059 ECUX1H101JCV 100p / J / 50V C4060 ECUX1H100DCV 10p / D / 50V C4061 ECUX1H100DCV 10p / D / 50V C4062 ECUX1H100DCV 10p / D / 50V C4063 ECUX1H103KBV 0.01 / K / 50V C4064 ECUX1H103KBV 0.01 / K / 50V C4065 ECUX1H102KBV 1000p / K / 50V C4066 ECUX1H102KBV 1000p / K / 50V C4074 ECUX1H102KBV 1000p / K / 50V C4075 ECUX1H102KBV 1000p / K / 50V C4076 ECUX1H102KBV 1000p / K / 50V C4077 ECUX1H102KBV 1000p / K / 50V C4078 ECUX1H102KBV 1000p / K / 50V C4079 ECUX1H102KBV 1000p / K / 50V C4080 ECUX1H102KBV 1000p / K / 50V C4081 ECUX1H102KBV 1000p / K / 50V C4081 ECUX1H102KBV 1000p / K / 50V C4081 ECUX1H102KBV 100p / K / 50V C4081 ECUX1H102KBV 100p / K / 50V C4081 ECUX1H102KBV <th></th> <th></th> <th></th>			
C4061 ECUX1H100DCV 10p / D / 50V C4062 ECUX1H100DCV 10p / D / 50V C4063 ECUX1H103KBV 0.01 / K / 50V C4064 ECUX1H103KBV 0.01 / K / 50V C4065 ECUX1E104ZFV 0.1 / Z / 25V C4066 ECUX1H102KBV 1000p / K / 50V C4067 ECUX1H102KBV 1000p / K / 50V C4074 ECUX1H102KBV 1000p / K / 50V C4075 ECUX1H102KBV 1000p / K / 50V C4076 ECUX1H102KBV 1000p / K / 50V C4077 ECUX1H102KBV 1000p / K / 50V C4078 ECUX1H102KBV 1000p / K / 50V C4079 ECUX1H102KBV 1000p / K / 50V C4079 ECUX1H102KBV 1000p / K / 50V C4080 ECUX1H102KBV 1000p / K / 50V C4080 ECUX1H102KBV 1000p / K / 50V C4081 ECUX1H102KBV 1000p / K / 50V C4080 ECUX1H102KBV 1000p / K / 50V C4081 ECUX1H102KBV 1000p / K / 50V C4081 ECUX1H102KBV 1000p / K / 50V C501LS L4001 J0JKC0000010 Core L4002 J0JKC0000010 Core L4003 G1A680H00002 Choke Coil L4004 G1A220H00010 Choke Coil DIODES D4001 PJVDHZM18NB2 Diode D4002 MA132A Diode D4003 B0BC01200027 Diode D4004 MA132A Diode D4005 B0BC01500012 Diode D4006 MA132A Diode D4007 B0BC01500012 Diode D4008 MA132A Diode D4009 B0BC5R000020 Diode D4010 MA132A Diode D4009 B0BC5R000020 Diode D4011 C0DBZFA00010 IC D4012 D1FS4A-4063 Diode	C4059	ECUX1H101JCV	100p / J / 50V
C4062 ECUX1H100DCV 10p / D / 50V C4063 ECUX1H103KBV 0.01 / K / 50V C4064 ECUX1H103KBV 0.01 / K / 50V C4065 ECUX1E104ZFV 0.1 / Z / 25V C4066 ECUX1H102KBV 1000p / K / 50V C4067 ECUX1H102KBV 1000p / K / 50V C4074 ECUX1H102KBV 1000p / K / 50V C4075 ECUX1H102KBV 1000p / K / 50V C4076 ECUX1H102KBV 1000p / K / 50V C4077 ECUX1H102KBV 1000p / K / 50V C4077 ECUX1H102KBV 1000p / K / 50V C4078 ECUX1H102KBV 1000p / K / 50V C4079 ECUX1H102KBV 1000p / K / 50V C4080 ECUX1H102KBV 1000p / K / 50V C4081 ECUX1H102KBV 1000p / K / 50V DOLLS L4001 J0JKC0000010 Core L4002 J0JKC0000010 Core L4003 G1A680H00002 Choke Coil L4004 G1A220H00010 Choke Coil L4005 G1A220H00010 Choke Coil DIODES D4001 PJVDHZM18NB2 Diode D4002 MA132A Diode D4003 B0BC01200027 Diode D4004 MA132A Diode D4005 B0BC01200027 Diode D4006 MA132A Diode D4006 MA132A Diode D4007 B0BC01500012 Diode D4008 MA132A Diode D4009 B0BC5R000020 Diode D4010 MA132A Diode D4009 B0BC5R000020 Diode D4010 MA132A Diode D4010 MA132A Diode D4011 C0DBZFA00010 IC	C4060	ECUX1H101JCV	100p / J / 50V
C4063 ECUX1H103KBV 0.01 / K / 50V C4064 ECUX1H103KBV 0.01 / K / 50V C4065 ECUX1E104ZFV 0.1 / Z / 25V C4066 ECUX1H102KBV 1000p / K / 50V C4067 ECUX1H102KBV 1000p / K / 50V C4074 ECUX1H102KBV 1000p / K / 50V C4075 ECUX1H102KBV 1000p / K / 50V C4076 ECUX1H102KBV 1000p / K / 50V C4077 ECUX1H102KBV 1000p / K / 50V C4078 ECUX1H102KBV 1000p / K / 50V C4079 ECUX1H102KBV 1000p / K / 50V C4080 ECUX1H102KBV 1000p / K / 50V C4081 ECUX1H102KBV 1000p / K / 50V DIODES D4001 J0JKC0000010 Core L4002 J0JKC0000010 Choke Coil L4004 G1A220H00010 Choke Coil L4005 G1A220H00010 Choke Coil DIODES D4001 PJVDHZM18NB2 Diode D4002 MA132A Diode D4003 B0BC01200027 Diode D4004 MA132A Diode D4005 B0BC01500012 Diode D4006 MA132A Diode D4007 B0BC01500012 Diode D4008 MA132A Diode D4009 B0BC5R000020 Diode D4010 MA132A Diode D4009 B0BC5R000020 Diode D4011 C0DBZFA00010 IC D4012 D1FS4A-4063 Diode	C4061	ECUX1H100DCV	10p / D / 50V
C4064 ECUX1H103KBV 0.01 / K / 50V C4065 ECUX1E104ZFV 0.1 / Z / 25V C4066 ECUX1H102KBV 1000p / K / 50V C4067 ECUX1H102KBV 1000p / K / 50V C4074 ECUX1H102KBV 1000p / K / 50V C4075 ECUX1H102KBV 1000p / K / 50V C4076 ECUX1H102KBV 1000p / K / 50V C4077 ECUX1H102KBV 1000p / K / 50V C4078 ECUX1H102KBV 1000p / K / 50V C4079 ECUX1H102KBV 1000p / K / 50V C4080 ECUX1H102KBV 1000p / K / 50V C4081 ECUX1H102KBV 1000p / K / 50V C4081 ECUX1H102KBV 1000p / K / 50V C4082 ECUX1H102KBV 1000p / K / 50V C4083 ECUX1H102KBV 1000p / K / 50V C4084 ECUX1H102KBV 1000p / K / 50V DOUBLS L4001 J0JKC0000010 Core L4002 J0JKC0000010 Core L4003 G1A680H00002 Choke Coil L4004 G1A220H00010 Choke Coil L4005 G1A220H00010 Choke Coil DIODES D4001 PJVDHZM18NB2 Diode D4002 MA132A Diode D4003 B0BC01200027 Diode D4004 MA132A Diode D4005 B0BC01500012 Diode D4006 MA132A Diode D4007 B0BC01500012 Diode D4008 MA132A Diode D4009 B0BC5R000020 Diode D4010 MA132A Diode D4009 B0BC5R000020 Diode D4011 C0DBZFA00010 IC D4012 D1FS4A-4063 Diode	C4062	ECUX1H100DCV	10p / D / 50V
C4065 ECUX1E104ZFV 0.1 / Z / 25V C4066 ECUX1H102KBV 1000p / K / 50V C4067 ECUX1H102KBV 1000p / K / 50V C4074 ECUX1H102KBV 1000p / K / 50V C4075 ECUX1H102KBV 1000p / K / 50V C4076 ECUX1H102KBV 1000p / K / 50V C4077 ECUX1H102KBV 1000p / K / 50V C4078 ECUX1H102KBV 1000p / K / 50V C4079 ECUX1H102KBV 1000p / K / 50V C4080 ECUX1H102KBV 1000p / K / 50V C4081 ECUX1H102KBV 1000p / K / 50V COILS L4001 J0JKC0000010 Core L4002 J0JKC0000010 Core L4003 G1A680H00002 Choke Coil L4004 G1A220H00010 Choke Coil L4005 G1A220H00010 Choke Coil DIODES D4001 PJVDHZM18NB2 Diode D4002 MA132A Diode D4003 B0BC01200027 Diode D4004 MA132A Diode D4005 B0BC01200027 Diode D4006 MA132A Diode D4007 B0BC01500012 Diode D4008 MA132A Diode D4007 B0BC01500012 Diode D4008 MA132A Diode D4009 B0BC5R000020 Diode D4010 MA132A Diode D4009 B0BC5R000020 Diode D4010 MA132A Diode D4009 B0BC5R000020 Diode D4011 C0DBZFA00010 IC D4011 C0DBZFA00010 IC D4012 D1FS4A-4063 Diode	C4063	ECUX1H103KBV	0.01 / K / 50V
C4066 ECUX1H102KBV 1000p / K / 50V C4067 ECUX1H102KBV 1000p / K / 50V C4074 ECUX1H102KBV 1000p / K / 50V C4075 ECUX1H102KBV 1000p / K / 50V C4076 ECUX1H102KBV 1000p / K / 50V C4077 ECUX1H102KBV 1000p / K / 50V C4078 ECUX1H102KBV 1000p / K / 50V C4079 ECUX1H102KBV 1000p / K / 50V C4080 ECUX1H102KBV 1000p / K / 50V C4081 ECUX1H102KBV 1000p / K / 50V C4081 ECUX1H102KBV 1000p / K / 50V COILS L4001 J0JKC0000010 Core L4002 J0JKC0000010 Core L4003 G1A680H00002 Choke Coil L4004 G1A220H00010 Choke Coil L4005 G1A220H00010 Choke Coil DIODES D4001 PJVDHZM18NB2 Diode D4002 MA132A Diode D4003 B0BC01200027 Diode D4004 MA132A Diode D4005 B0BC01200027 Diode D4006 MA132A Diode D4007 B0BC01500012 Diode D4007 B0BC01500012 Diode D4008 MA132A Diode D4009 B0BC5R000020 Diode D4010 MA132A Diode D4009 B0BC5R000020 Diode D4011 C0DBZFA00010 IC D4012 D1FS4A-4063 Diode	C4064	ECUX1H103KBV	0.01 / K / 50V
C4067 ECUX1H102KBV 1000p / K / 50V C4074 ECUX1H102KBV 1000p / K / 50V C4075 ECUX1H102KBV 1000p / K / 50V C4076 ECUX1H102KBV 1000p / K / 50V C4077 ECUX1H102KBV 1000p / K / 50V C4078 ECUX1H102KBV 1000p / K / 50V C4079 ECUX1H102KBV 1000p / K / 50V C4080 ECUX1H102KBV 1000p / K / 50V C4081 ECUX1H102KBV 1000p / K / 50V C4081 ECUX1H102KBV 1000p / K / 50V COILS L4001 J0JKC0000010 Core L4002 J0JKC0000010 Core L4003 G1A680H00002 Choke Coil L4004 G1A220H00010 Choke Coil L4005 G1A220H00010 Choke Coil DIODES D4001 PJVDHZM18NB2 Diode D4002 MA132A Diode D4003 B0BC01200027 Diode D4004 MA132A Diode D4005 B0BC01200027 Diode D4006 MA132A Diode D4007 B0BC01500012 Diode D4007 B0BC01500012 Diode D4008 MA132A Diode D4009 B0BC5R000020 Diode D4010 MA132A Diode D4009 B0BC5R000020 Diode D4011 C0DBZFA00010 IC	C4065	ECUX1E104ZFV	0.1 / Z / 25V
C4074 ECUX1H102KBV 1000p / K / 50V C4075 ECUX1H102KBV 1000p / K / 50V C4076 ECUX1H102KBV 1000p / K / 50V C4077 ECUX1H102KBV 1000p / K / 50V C4078 ECUX1H102KBV 1000p / K / 50V C4079 ECUX1H102KBV 1000p / K / 50V C4080 ECUX1H102KBV 1000p / K / 50V C4081 ECUX1H102KBV 1000p / K / 50V C4081 ECUX1H102KBV 1000p / K / 50V C4081 ECUX1H102KBV 1000p / K / 50V COILS L4001 J0JKC0000010 Core L4002 J0JKC0000010 Core L4003 G1A680H00002 Choke Coil L4004 G1A220H00010 Choke Coil DIODES D4001 PJVDHZM18NB2 Diode D4002 MA132A Diode D4003 B0BC01200027 Diode D4004 MA132A Diode D4005 B0BC01200027 Diode D4006 MA132A Diode D4007 B0BC01500012 Diode D4008 MA132A Diode D4009 B0BC5R000020 Diode D4009 B0BC5R000020 Diode D4010 MA132A Diode D4011 C0DBZFA00010 IC D4012 D1FS4A-4063 Diode	C4066	ECUX1H102KBV	1000p / K / 50V
C4075 ECUX1H102KBV 1000p / K / 50V C4076 ECUX1H102KBV 1000p / K / 50V C4077 ECUX1H102KBV 1000p / K / 50V C4078 ECUX1H102KBV 1000p / K / 50V C4079 ECUX1H102KBV 1000p / K / 50V C4080 ECUX1H102KBV 1000p / K / 50V C4081 ECUX1H102KBV 1000p / K / 50V C4081 ECUX1H102KBV 1000p / K / 50V COILS L4001 J0JKC0000010 Core L4002 J0JKC0000010 Core L4003 G1A680H00002 Choke Coil L4004 G1A220H00010 Choke Coil DIODES D4001 PJVDHZM18NB2 Diode D4002 MA132A Diode D4003 B0BC01200027 Diode D4004 MA132A Diode D4005 B0BC01200027 Diode D4006 MA132A Diode D4007 B0BC01500012 Diode D4008 MA132A Diode D4009 B0BC5R000020 Diode D4010 MA132A Diode D4009 B0BC5R000020 Diode D4011 C0DBZFA00010 IC D4012 D1FS4A-4063 Diode	C4067	ECUX1H102KBV	1000p / K / 50V
C4076 ECUX1H102KBV 1000p / K / 50V C4077 ECUX1H102KBV 1000p / K / 50V C4078 ECUX1H102KBV 1000p / K / 50V C4079 ECUX1H102KBV 1000p / K / 50V C4080 ECUX1H102KBV 1000p / K / 50V C4081 ECUX1H102KBV 1000p / K / 50V C4081 ECUX1H102KBV 1000p / K / 50V COILS L4001 J0JKC0000010 Core L4002 J0JKC0000010 Core L4003 G1A680H00002 Choke Coil L4004 G1A220H00010 Choke Coil DIODES D4001 PJVDHZM18NB2 Diode D4002 MA132A Diode D4003 B0BC01200027 Diode D4004 MA132A Diode D4005 B0BC01200027 Diode D4006 MA132A Diode D4007 B0BC01500012 Diode D4008 MA132A Diode D4009 B0BC5R000020 Diode D4009 B0BC5R000020 Diode D4010 CODBZFA00010 IC D4011 C0DBZFA00010 IC D4012 D1FS4A-4063 Diode	C4074	ECUX1H102KBV	1000p / K / 50V
C4077 ECUX1H102KBV 1000p / K / 50V C4078 ECUX1H102KBV 1000p / K / 50V C4079 ECUX1H102KBV 1000p / K / 50V C4080 ECUX1H102KBV 1000p / K / 50V C4081 ECUX1H102KBV 1000p / K / 50V C4081 ECUX1H102KBV 1000p / K / 50V COILS L4001 J0JKC0000010 Core L4002 J0JKC0000010 Core L4003 G1A680H00002 Choke Coil L4004 G1A220H00010 Choke Coil DIODES D4001 PJVDHZM18NB2 Diode D4002 MA132A Diode D4003 B0BC01200027 Diode D4004 MA132A Diode D4005 B0BC01200027 Diode D4006 MA132A Diode D4007 B0BC01500012 Diode D4008 MA132A Diode D4009 B0BC5R000020 Diode D4009 B0BC5R000020 Diode D4010 MA132A Diode D4011 C0DBZFA00010 IC D4012 D1FS4A-4063 Diode	C4075	ECUX1H102KBV	1000p / K / 50V
C4078 ECUX1H102KBV 1000p / K / 50V C4079 ECUX1H102KBV 1000p / K / 50V C4080 ECUX1H102KBV 1000p / K / 50V C4081 ECUX1H102KBV 1000p / K / 50V COILS L4001 J0JKC0000010 Core L4002 J0JKC0000010 Core L4003 G1A680H00002 Choke Coil L4004 G1A220H00010 Choke Coil L4005 G1A220H00010 Choke Coil DIODES D4001 PJVDHZM18NB2 Diode D4002 MA132A Diode D4003 B0BC01200027 Diode D4004 MA132A Diode D4005 B0BC01200027 Diode D4006 MA132A Diode D4007 B0BC01500012 Diode D4008 MA132A Diode D4009 B0BC5R000020 Diode D4009 B0BC5R000020 Diode D4011 C0DBZFA00010 IC D4012 D1FS4A-4063 Diode	C4076	ECUX1H102KBV	1000p / K / 50V
C4079 ECUX1H102KBV 1000p / K / 50V C4080 ECUX1H102KBV 1000p / K / 50V C4081 ECUX1H102KBV 1000p / K / 50V COILS L4001 J0JKC0000010 Core L4002 J0JKC0000010 Core L4003 G1A680H00002 Choke Coil L4005 G1A220H00010 Choke Coil DIODES D4001 PJVDHZM18NB2 Diode D4002 MA132A Diode D4004 MA132A Diode D4005 B0BC01200027 Diode D4006 MA132A Diode D4007 B0BC01500012 Diode D4008 MA132A Diode D4009 B0BC5R000020 Diode D4009 B0BC5R000020 Diode D4010 MA132A Diode D4010 MA132A Diode D4011 C0DBZFA00010 IC	C4077	ECUX1H102KBV	1000p / K / 50V
C4080 ECUX1H102KBV 1000p / K / 50V C4081 ECUX1H102KBV 1000p / K / 50V COILS L4001 J0JKC0000010 Core L4002 J0JKC0000010 Core L4003 G1A680H00002 Choke Coil L4004 G1A220H00010 Choke Coil L4005 G1A220H00010 Choke Coil DIODES D4001 PJVDHZM18NB2 Diode D4002 MA132A Diode D4003 B0BC01200027 Diode D4004 MA132A Diode D4005 B0BC01200027 Diode D4006 MA132A Diode D4007 B0BC01500012 Diode D4008 MA132A Diode D4009 B0BC5R000020 Diode D4010 MA132A Diode D4010 MA132A Diode D4011 C0DBZFA00010 IC D4012 D1FS4A-4063 Diode	C4078	ECUX1H102KBV	1000p / K / 50V
C4081 ECUX1H102KBV 1000p / K / 50V COILS L4001 J0JKC0000010 Core L4002 J0JKC0000010 Core L4003 G1A680H00002 Choke Coil L4004 G1A220H00010 Choke Coil DIODES D4001 PJVDHZM18NB2 Diode D4002 MA132A Diode D4003 B0BC01200027 Diode D4004 MA132A Diode D4005 B0BC01200027 Diode D4006 MA132A Diode D4007 B0BC01500012 Diode D4008 MA132A Diode D4010 MA132A Diode D4011 C0DBZFA00010 IC D4012 D1FS4A-4063 Diode	C4079	ECUX1H102KBV	1000p / K / 50V
COILS L4001 J0JKC0000010 Core L4002 J0JKC0000010 Core L4003 G1A680H00002 Choke Coil L4004 G1A220H00010 Choke Coil L4005 G1A220H00010 Choke Coil DIODES D4001 PJVDHZM18NB2 Diode D4002 MA132A Diode D4003 B0BC01200027 Diode D4004 MA132A Diode D4005 B0BC01200027 Diode D4006 MA132A Diode D4007 B0BC01500012 Diode D4008 MA132A Diode D4009 B0BC5R000020 Diode D4010 MA132A Diode D4010 MA132A Diode D4011 C0DBZFA00010 IC D4012 D1FS4A-4063 Diode	C4080	ECUX1H102KBV	1000p / K / 50V
L4001 J0JKC0000010 Core L4002 J0JKC0000010 Core L4003 G1A680H00002 Choke Coil L4004 G1A220H00010 Choke Coil DIODES D4001 PJVDHZM18NB2 Diode D4002 MA132A Diode D4003 B0BC01200027 Diode D4004 MA132A Diode D4005 B0BC01200027 Diode D4006 MA132A Diode D4007 B0BC01500012 Diode D4008 MA132A Diode D4009 B0BC5R000020 Diode D4010 MA132A Diode D4011 C0DBZFA00010 IC D4012 D1FS4A-4063 Diode	C4081	ECUX1H102KBV	1000p / K / 50V
L4002 J0JKC0000010 Core L4003 G1A680H00002 Choke Coil L4004 G1A220H00010 Choke Coil DIODES D4001 PJVDHZM18NB2 Diode D4002 MA132A Diode D4003 B0BC01200027 Diode D4004 MA132A Diode D4005 B0BC01200027 Diode D4006 MA132A Diode D4007 B0BC01500012 Diode D4008 MA132A Diode D4009 B0BC5R000020 Diode D4010 MA132A Diode D4011 C0DBZFA00010 IC D4012 D1FS4A-4063 Diode		,	COILS
L4003 G1A680H00002 Choke Coil L4004 G1A220H00010 Choke Coil L4005 G1A220H00010 Choke Coil DIODES D4001 PJVDHZM18NB2 Diode D4002 MA132A Diode D4003 B0BC01200027 Diode D4004 MA132A Diode D4005 B0BC01200027 Diode D4006 MA132A Diode D4007 B0BC01500012 Diode D4008 MA132A Diode D4009 B0BC5R000020 Diode D4010 MA132A Diode D4011 C0DBZFA00010 IC D4012 D1FS4A-4063 Diode	L4001	J0JKC0000010	Core
L4004 G1A220H00010 Choke Coil L4005 G1A220H00010 Choke Coil DIODES D4001 PJVDHZM18NB2 Diode D4002 MA132A Diode D4003 B0BC01200027 Diode D4004 MA132A Diode D4005 B0BC01200027 Diode D4006 MA132A Diode D4007 B0BC01500012 Diode D4008 MA132A Diode D4009 B0BC5R000020 Diode D4010 MA132A Diode D4011 C0DBZFA00010 IC D4012 D1FS4A-4063 Diode	L4002	J0JKC0000010	Core
L4005 G1A220H00010 Choke Coil DIODES D4001 PJVDHZM18NB2 Diode D4002 MA132A Diode D4003 B0BC01200027 Diode D4004 MA132A Diode D4005 B0BC01200027 Diode D4006 MA132A Diode D4007 B0BC01500012 Diode D4008 MA132A Diode D4009 B0BC5R000020 Diode D4010 MA132A Diode D4011 C0DBZFA00010 IC D4012 D1FS4A-4063 Diode	L4003	G1A680H00002	Choke Coil
DIODES D4001 PJVDHZM18NB2 Diode D4002 MA132A Diode D4003 B0BC01200027 Diode D4004 MA132A Diode D4005 B0BC01200027 Diode D4006 MA132A Diode D4007 B0BC01500012 Diode D4008 MA132A Diode D4009 B0BC5R000020 Diode D4010 MA132A Diode D4011 C0DBZFA00010 IC D4012 D1FS4A-4063 Diode	L4004	G1A220H00010	Choke Coil
D4001 PJVDHZM18NB2 Diode D4002 MA132A Diode D4003 B0BC01200027 Diode D4004 MA132A Diode D4005 B0BC01200027 Diode D4006 MA132A Diode D4007 B0BC01500012 Diode D4008 MA132A Diode D4009 B0BC5R000020 Diode D4010 MA132A Diode D4011 C0DBZFA00010 IC D4012 D1FS4A-4063 Diode	L4005	G1A220H00010	Choke Coil
D4002 MA132A Diode D4003 B0BC01200027 Diode D4004 MA132A Diode D4005 B0BC01200027 Diode D4006 MA132A Diode D4007 B0BC01500012 Diode D4008 MA132A Diode D4009 B0BC5R000020 Diode D4010 MA132A Diode D4011 C0DBZFA00010 IC D4012 D1FS4A-4063 Diode			DIODES
D4003 B0BC01200027 Diode D4004 MA132A Diode D4005 B0BC01200027 Diode D4006 MA132A Diode D4007 B0BC01500012 Diode D4008 MA132A Diode D4009 B0BC5R000020 Diode D4010 MA132A Diode D4011 C0DBZFA00010 IC D4012 D1FS4A-4063 Diode	D4001	PJVDHZM18NB2	Diode
D4004 MA132A Diode D4005 B0BC01200027 Diode D4006 MA132A Diode D4007 B0BC01500012 Diode D4008 MA132A Diode D4009 B0BC5R000020 Diode D4010 MA132A Diode D4011 C0DBZFA00010 IC D4012 D1FS4A-4063 Diode	D4002	MA132A	Diode
D4005 B0BC01200027 Diode D4006 MA132A Diode D4007 B0BC01500012 Diode D4008 MA132A Diode D4009 B0BC5R000020 Diode D4010 MA132A Diode D4011 C0DBZFA00010 IC D4012 D1FS4A-4063 Diode	D4003	B0BC01200027	Diode
D4006 MA132A Diode D4007 B0BC01500012 Diode D4008 MA132A Diode D4009 B0BC5R000020 Diode D4010 MA132A Diode D4011 C0DBZFA00010 IC D4012 D1FS4A-4063 Diode	D4004	MA132A	Diode
D4007 B0BC01500012 Diode D4008 MA132A Diode D4009 B0BC5R000020 Diode D4010 MA132A Diode D4011 C0DBZFA00010 IC D4012 D1FS4A-4063 Diode	D4005	B0BC01200027	Diode
D4008 MA132A Diode D4009 B0BC5R000020 Diode D4010 MA132A Diode D4011 C0DBZFA00010 IC D4012 D1FS4A-4063 Diode	D4006	MA132A	Diode
D4009 B0BC5R000020 Diode D4010 MA132A Diode D4011 C0DBZFA00010 IC D4012 D1FS4A-4063 Diode	D4007	B0BC01500012	Diode
D4010 MA132A Diode D4011 C0DBZFA00010 IC D4012 D1FS4A-4063 Diode	D4008	MA132A	Diode
D4011 C0DBZFA00010 IC D4012 D1FS4A-4063 Diode	D4009	B0BC5R000020	Diode
D4012 D1FS4A-4063 Diode	D4010	MA132A	Diode
	D4011	C0DBZFA00010	IC
D4013 MA132A Diode	D4012	D1FS4A-4063	Diode
	D4013	MA132A	Diode
D4014 MA132A Diode	D4044		
D4015 D1FS4A-4063 Diode	D4014	MA132A	Diode

D4016	D1FS4A-4063	Diode		
D4017	MA132A	Diode		
D4017	B0BC5R000020	Diode		
D4018]	ANSISTORS		
Q4001	B1GBCFLL0002	Transistor		
		<u> </u>		
Q4002	B1GBCFLL0002	Transistor		
Q4003	B1GBCFLL0002	Transistor		
Q4005	B1GDCFJJ0002	Transistor		
Q4007	2SC2412K	Transistor		
Q4008	B1GBCFLL0002	Transistor		
Q4009	B1GBCFLL0002	Transistor		
Q4010	B1GBCFLL0002	Transistor		
Q4011	B1GBCFLL0002	Transistor		
Q4012	B1GBCFLL0002	Transistor		
Q4013	B1GBCFLL0002	Transistor		
Q4014	B1GBCFLL0002	Transistor		
Q4015	2SC2412K	Transistor		
Q4016	2SC2412K	Transistor		
Q4017	2SC2412K	Transistor		
Q4020	B1GBCFLL0002	Transistor		
Q4021	B1DHJG000002	Transistor		
Q4023	B1GBCFLL0002	Transistor		
Q4024	B1GDCFJJ0002	Transistor		
	,	ICs		
IC4001	C0GAN0000025	IC		
IC4002	C0GAN0000025	IC		
IC4003	C0GAJ0000035	IC		
IC4004	C0DBAMG00014	IC,DC-DC Converter		
IC4005	MD1421N-4072	IC,DC-DC Converter		
IC4006	MD1421N-4072	IC,DC-DC Converter		
OTHERS				
CN4001	K1MN36A00014	Connector		
CN4002	K1MN14A00087	Connector		
CN4003	K1KA10A00404	Connector		
CN4004	K1KA08B00238	Connector		
CN4005	K1KA02A00553	Connector		
CN4007	K1KA13A00127	Connector		
CN4008	K1KA14A00233	Connector		
CN4010	K1KA08B00237	Connector		
	I.	I		

CN4017	K1KA04A00498	Connector	
F4001	K5H402A00010	Fuse	
F4002	K5H402A00010	Fuse	
F4003	K5H402A00010	Fuse	

15.4 CARRIAGE RELAY Board

Ref. No.	Part No.	Part Name & Description	Remarks		
RESISTORS					
R3018	ERJ3GEYJ331	330 / J / 1/10W			
R3019	ERJ3GEYJ331	330 / J / 1/10W			
R3020	ERJ3GEYJ331	330 / J / 1/10W			
R3021	ERJ3GEYJ331	330 / J / 1/10W			
R3022	ERJ3GEYJ331	330 / J / 1/10W			
R3023	ERJ3GEYJ331	330 / J / 1/10W			
R3024	ERJ3GEYJ331	330 / J / 1/10W			
R3025	ERJ3GEYJ331	330 / J / 1/10W			
R3026	ERJ3GEYJ331	330 / J / 1/10W			
R3027	ERJ3GEYJ331	330 / J / 1/10W			
R3028	ERJ3GEYJ331	330 / J / 1/10W			
R3029	ERJ3GEYJ331	330 / J / 1/10W			
R3030	ERJ3GEYJ331	330 / J / 1/10W			
R3031	ERJ3GEYJ331	330 / J / 1/10W			
R3032	ERJ3GEYJ331	330 / J / 1/10W			
R3033	ERJ3GEYJ331	330 / J / 1/10W			
	CAPACITORS				
C3005	ECUX1H101JCV	100p / J / 50V			
C3006	ECUX1E104ZFV	0.1 / Z / 25V			
C3007	ECUX1H101JCV	100p / J / 50V			
C3008	ECUX1E104ZFV	0.1 / Z / 25V			
OTHERS					
CN3000	K1KA03A00465	Connector			
CN3001	K1MN40B00042	Connector			
CN3002	K1MN22B00097	Connector			
CN3003	K1MN40B00042	Connector			

15.5 CIS RELAY Board

Ref. No.	Part No.	Part Name & Description	Remarks	
	RI	ESISTORS	,	
R3002	ERJ3GEYJ221	220 / J / 1/10W		
R3003	ERJ3GEYJ221	220 / J / 1/10W		
R3004	ERJ3GEYJ221	220 / J / 1/10W		
R3005	ERJ3GEYJ221	220 / J / 1/10W		
R3006	ERJ3GEYJ221	220 / J / 1/10W		
R3007	ERJ3GEYJ221	220 / J / 1/10W		
R3008	ERJ3GEYJ221	220 / J / 1/10W		
R3009	ERJ3GEYJ221	220 / J / 1/10W		
R3010	ERJ3GEYJ221	220 / J / 1/10W		
R3011	ERJ3GEYJ221	220 / J / 1/10W		
R3012	ERJ3GEYJ221	220 / J / 1/10W		
R3013	ERJ3GEYJ221	220 / J / 1/10W		
R3014	ERJ3GEYJ221	220 / J / 1/10W		
R3015	ERJ3GEYJ221	220 / J / 1/10W		
R3016	ERJ3GEYJ221	220 / J / 1/10W		
R3017	ERJ3GEYJ221	220 / J / 1/10W		
CAPACITORS				
C3001	ECUX1H101JCV	100p / J / 50V		
C3002	ECUX1E104ZFV	0.1 / Z / 25V		
C3003	ECUX1H101JCV	100p / J / 50V		
C3004	ECUX1E104ZFV	0.1 / Z / 25V		
OTHERS				
CN3004	K1MN26A00064	Connector		
CN3005	K1MN24A00058	Connector		
CN3006	K1MN40B00042	Connector		

15.6 OUTER CONVEYOR RELAY Board

Ref. No.	Part No.	Part Name & Description	Remarks
RESISTO	DRS		,
R5004	ERDS2TJ101	100 / J / 1/4W	
R5005	ERDS2TJ101	100 / J / 1/4W	
R5006	ERDS2TJ472	4.7k / J / 1/4W	
R5007	ERDS2TJ223	22k / J / 1/4W	
R5008	ERDS2TJ472	4.7k / J / 1/4W	
R5012	ERDS2TJ223	22k / J / 1/4W	
R5019	ERDS2T0	0-ohm Jumper	
R5020	ERDS2TJ123	12k / J /1/4W	
R5022	ERDS2TJ473	47k / J /1/4W	
R5023	ERDS2TJ104	100k / J / 1/4W	
R5024	ERDS2TJ104	100k / J / 1/4W	
R5025	ERDS2TJ104	100k / J / 1/4W	
R5026	ERDS2TJ473	47k / J /1/4W	
R5027	ERDS2TJ102	1k / J / 1/4W	
R5028	ERDS2TJ153	15k / J /1/4W	
R5029	ERDS2TJ103	10k / J / 1/4W	
R5030	ERDS2TJ102	1k / J / 1/4W	
R5031	ERDS2TJ392	3.9k / J /1/4W	
R5032	ERDS2TJ751T	750 / J / 1/4W	
R5033	ERDS2TJ152	1.5k / J /1/4W	
	CA	PACITORS	,
C5001	F1E1H1040017	0.1 / Z / 50V	
C5005	F1E1H1040017	0.1 / Z / 50V	
C5013	F1E1H1040017	0.1 / Z / 50V	
C5015	F1E1H1040017	0.1 / Z / 50V	
C5021	F1E1H1040017	0.1 / Z / 50V	
C5006	ECEA1CKS101	100 / M / 16V	
C5011	ECQB1H103JF3	0.01 / J / 50V	
C5012	ECEA1CKS101	100 / M / 16V	
C5014	ECQB1H103JF3	0.01 / J / 50V	
C5016	ECQB1H103JF3	0.01 / J / 50V	
C5017	ECQB1H103JF3	0.01 / J / 50V	

C5018	ECQB1H103JF3	0.01 / J / 50V	
C5019	ECQB1H103JF3	0.01 / J / 50V	
C5020	ECQB1H103JF3	0.01 / J / 50V	
C5022	ECEA1CKS101	100 / M / 16V	
	,	DIODOE	
D5005	MA165	Diode	
	TRA	ANSISTORS	
Q5002	2SA1309A	Transistor	
Q5003	2SC3311A	Transistor	
		ICs	
IC5002	C0AAGB000012	IC, Operational Amp.	
IC5004	NJM2082D	IC, Operational Amp.	
		OTHERS	
CN5001	K1KA02A00551	Connector	
CN5002	K1KA03A00465	Connector	
CN5003	K1KA18A00090	Connector	
CN5004	K1MN30B00113	Connector	
TH5001	PB103AT	Thermistor	

15.7 WAITING SENSOR Board

TOP PREVIOUS NEXT

Ref. No.	Part No.	Part Name & Description	Remarks	
	R	ESISTORS		
R5034	ERDS2TJ271	270/J/1/4W		
R5035	ERDS2TJ333	33k / J /1/4W		
	C	APACITOR		
C5024	F1E1H1040017	0.1/Z/50V		
	TR	RANSISTOR		
Q5004	2SA1309A	Transistor		
	IC			
IC5005	B3NAB0000028	Photo Reflector		
OTHERS				
CN5006	K1KA03B00194	Connector		
	PBHR38X	Spacer		

15.8 ENDING SENSOR Board

TOP PREVIOUS NEXT

Ref. No.	Part No.	Part Name & Description	Remarks	
	R	ESISTORS		
R5058	ERDS2TJ221	220 / J / 1/4W		
R5059	ERDS2TJ333	33k / J / 1/4W		
	C	APACITOR		
C5037	F1E1H1040017	0.1 / Z / 50V		
	TR	RANSISTOR		
Q5015	2SA1309A	Transistor		
	IC			
IC5016	B3NAB0000028	Photo Reflector		
OTHERS				
CN5015	K1KA03B00194	Connector		
	PBHR38X	Spacer		

15.9 HOPPER HOME DETECTOR Board

TOP PREVIOUS NEXT

Ref. No.	Part No.	Part Name & Description	Remarks
	R	ESISTORS	
R5039	ERDS2TJ331	330 / J / 1/4W	
R5040	ERDS2TJ103	10k / J / 1/4W	
	C	APACITOR	
C5026	F1E1H1040017	0.1 / Z / 50V	
TRANSISTOR			
Q5006	2SC3311A	Transistor	
IC			
IC5007	TLP832	Photo Interrupter	
OTHER			
CN5007	K1KA04B00220	Connector	

15.10 SIZE DETECTOR Board

Ref. No.	Part No.	Part Name & Description	Remarks
	R	ESISTORS	,
R5042	ERDS2TJ331	330 / J /1/4W	
R5043	ERDS2TJ331	330 / J /1/4W	
R5044	ERDS2TJ331	330 / J /1/4W	
R5045	ERDS2TJ331	330 / J /1/4W	
R5046	ERDS2TJ331	330 / J /1/4W	
R5047	ERDS2TJ103	10k / J / 1/4W	
R5048	ERDS2TJ103	10k / J / 1/4W	
R5049	ERDS2TJ103	10k / J / 1/4W	
R5050	ERDS2TJ103	10k / J / 1/4W	
R5051	ERDS2TJ103	10k / J / 1/4W	
	C.A	APACITORS	,
C5027	F1E1H1040017	0.1 / Z / 50V	
C5028	F1E1H1040017	0.1 / Z / 50V	
C5029	F1E1H1040017	0.1 / Z / 50V	
C5030	F1E1H1040017	0.1 / Z / 50V	
C5031	F1E1H1040017	0.1 / Z / 50V	
	TR	ANSISTORS	,
Q5007	2SC3311A	Transistor	
Q5008	2SC3311A	Transistor	
Q5009	2SC3311A	Transistor	
Q5010	2SC3311A	Transistor	
Q5011	2SC3311A	Transistor	
	,	ICs	,
IC5008	TLP832	Photo Interrupter	
IC5009	TLP832	Photo Interrupter	
IC5010	TLP832	Photo Interrupter	
IC5011	TLP832	Photo Interrupter	
IC5012	TLP832	Photo Interrupter	
		OTHERS	
CN5010	K1MN10B00133	Connector	
CN5011	K1KA04A00498	Connector	

15.11 STARTING SENSOR Board

TOP PREVIOUS NEXT

Ref. No.	Part No.	Part Name & Description	Remarks	
	RESISTORS			
R5052	ERDS2TJ271	270 / J / 1/4W		
R5053	ERDS2TJ271	270 / J / 1/4W		
R5054	ERDS2TJ271	270 / J / 1/4W		
R5055	ERDS2TJ333	33k / J / 1/4W		
R5056	ERDS2TJ333	33k / J / 1/4W		
R5057	ERDS2TJ333	33k / J / 1/4W		
	C	APACITOR		
C5035	F1E1H1040017	0.1 / Z / 50V		
	TR	ANSISTORS		
Q5012	2SA1309A	Transistor		
Q5013	2SA1309A	Transistor		
Q5014	2SA1309A	Transistor		
		ICs		
IC5013	B3NAB0000028	Photo Reflector		
IC5014	B3NAB0000028	Photo Reflector		
IC5015	B3NAB0000028	Photo Reflector		
OTHERS				
CN5012	K1KA05B00186	Connector		
	PBHR38X	Spacer		

15.12 HOPPER RELAY Board

TOP PREVIOUS NEXT

Ref. No.	Part No.	Part Name & Description	Remarks	
	OTHERS			
CN5013	K1MN10B00133	Connector		
CN5014	K1KA10A00403	Connector		

15.13 SENSOR RELAY Board

Ref. No.	Part No.	Part Name & Description	Remarks
	R	ESISTORS	,
R5037	ERDS2TJ331	330 / J / 1/4W	
R5038	ERDS2TJ103	10k / J / 1/4W	
R5060	ERDS2TJ473	47k / J / 1/4W	
R5061	ERDS2TJ473	47k / J / 1/4W	
R5062	ERDS2TJ473	47k / J / 1/4W	
R5063	ERDS2TJ473	47k / J / 1/4W	
R5064	ERDS2TJ821	820 / J / 1/4W	
R5065	ERDS2TJ821	820 / J / 1/4W	
R5066	ERDS2TJ222	2.2k / J / 1/4W	
R5067	ERDS2TJ472	4.7k / J / 1/4W	
R5068	ERDS2TJ222	2.2k / J / 1/4W	
R5069	ERDS2TJ472	4.7k / J / 1/4W	
R5070	ERDS2TJ472	4.7k / J / 1/4W	
R5071	ERDS2TJ102	1k / J / 1/4W	
R5072	ERDS2TJ682	6.8k / J / 1/4W	
R5073	ERDS2TJ102	1k / J / 1/4W	
R5074	ERDS2TJ102	1k / J / 1/4W	
R5075	ERDS2TJ103	10k / J / 1/4W	
	C.A	APACITORS	,
C5025	F1E1H1040017	0.1 / Z / 50V	
C5038	F1E1H1040017	0.1 / Z / 50V	
C5039	F1E1H1040017	0.1 / Z / 50V	
C5040	F1B1H1030002	0.01 / Z / 50V	
C5041	F1B1H1030002	0.01 / Z / 50V	
C5042	F1E1H1040017	0.1 / Z / 50V	
C5043	F1E1H1040017	0.1 / Z / 50V	
C5044	F1E1H1040017	0.1 / Z / 50V	
C5045	ECEA1CKS101	100 / M / 16V	
C5046	ECEA1VKS100	10 / M / 35V	
	TR	ANSISTORS	1
Q5005	2SC3311A	Transistor	
Q5016	2SC3311A	Transistor	

Q5017	2SA1309A	Transistor	
Q5018	2SC3311A	Transistor	
Q5019	2SA1309A	Transistor	
Q5020	2SC3311A	Transistor	
Q5021	2SC3311A	Transistor	
Q5022	2SC3311A	Transistor	
Q5023	2SA1309A	Transistor	
Q5024	2SC3311A	Transistor	
		ICs	
IC5006	TLP832	Photo Interrupter	
IC5017	PPVI74HCT04A	IC, CMOS	
		OTHERS	
CN5016	K1KA03A00465	Connector	
CN5017	K1KA05A00350	Connector	
CN5018	K1KA04A00498	Connector	
CN5020	K1KA10A00403	Connector	
CN5021	K1KA02A00552	Connector	
CN5022	K1MN22A00066	Connector	

15.14 POWER RELAY Board

TOP PREVIOUS NEXT

Ref. No.	Part No.	Part Name & Description	Remarks	
	OTHERS			
CN5025	K1KA14A00233	Connector		
CN5028	K1KA04A00499	Connector		
CN5029	K1KA03A00465	Connector		
CN5031	K1KA06A00409	Connector		
CN5032	K1KA07A00242	Connector		
CN5036	K1KA02A00553	Connector		

15.15 PANEL Board

TOP PREVIOUS NEXT

Ref. No.	Part No.	Part Name & Description	Remarks		
	RESISTORS				
R5076	ERDS2TJ332	3.3k / J / 1/4W			
R5078	ERDS2TJ182	1.8k / J / 1/4W			
R5079	ERDS2TJ332	3.3k / J / 1/4W			
R5080	ERDS2TJ103	10k / J / 1/4W			
R5081	ERDS2TJ181	180k / J / 1/4W			
R5082	ERDS2TJ391	390 / J / 1/4W			
	CA	PACITORS			
C5047	F1E1H1040017	0.1 / Z / 50V			
C5048	F1E1H1040017	0.1 / Z / 50V			
C5049	F1B1H1030002	0.01 / Z / 50V			
C5050	ECQV1H224JL	0.22 / J / 50V			
	TRA	ANSISTORS			
Q5025	UN4213	Transistor			
Q5026	DTA143XSATP	Transistor			
Q5027	UN4213	Transistor			
Q5028	DTA143XSATP	Transistor			
Q5029	UN4213	Transistor			
DIODE					
D5006	B3AGA0000032	LED			
OTHERS					
BZ5001	PKM22EPP4002	Buzzer			
CN5023	K1KA08B00238	Connector			
SW5001	B3F-6122	Switch			

15.16 DOCUMENT COVER DETECTOR Board

TOP PREVIOUS NEXT

Ref. No.	Part No.	Part Name & Description	Remarks		
	RESISTORS				
R5083	ERDS2TJ331	330 / J / 1/4W			
R5085	ERDS2TJ103	10k / J / 1/4W			
	C	APACITOR			
C5051	F1E1H1040017	0.1 / Z / 50V			
	TRANSISTOR				
Q5030	2SC3311A	Transistor			
	IC				
IC5018	TLP832	Photo Interrupter			
	OTHER				
CN5034	K1KA04B00220	Connector			

15.17 CARRIAGE HOME DETECTOR Board

TOP PREVIOUS NEXT

Ref. No.	Part No.	Part Name & Description	Remarks		
	RESISTORS				
R5084	ERDS2TJ331	330 / J / 1/4W			
R5086	ERDS2TJ103	10k / J / 1/4W			
	CAPACITOR				
C5052	F1E1H1040017	0.1 / Z / 50V			
	TRANSISTOR				
Q5031	2SC3311A	Transistor			
	IC				
IC5019	TLP832	Photo Interrupter			
OTHER					
CN5035	K1KA03B00194	Connector			

15.18 POWER Board

TOP PREVIOUS

Ref. No.	Part No.	Part Name & Description	Remarks	
RESISTORS				
R801	ERDS1TJ684	680K / J / 1/2W		
R802	MPC710.22K	Resistor		
R803	MPC710.1K	Resistor		
R804	EROS2THF1803	180K / F / 1/4W		
R805	EROS2THF1803	180K / F / 1/4W		
R806	EROS2THF1803	180K / F / 1/4W		
R807	ER0S2THF3161	3.16K / F / 1/4W		
R808	ERDS2TJ124	120K / J / 1/4W		
R809	ERDS2TJ124	120K / J / 1/4W		
R810	ERDS2TJ223	22K / J / 1/4W		
R811	ERDS2TJ242	2.4K / J / 1/4W		
R812	EROS2THF1803	180K / F / 1/4W		
R813	EROS2THF1803	180K / F / 1/4W		
R814	EROS2THF1803	180K / F / 1/4W		
R815	EROS2THF2151	2.15K / F / 1/4W		
R816	EROS2THF1803	180K / F / 1/4W		
R817	EROS2THF1803	180K / F / 1/4W		
R818	EROS2THF1803	180K / F / 1/4W		
R819	ER0S2THF3161	3.16K / F / 1/4W		
R820	ERDS2TJ103	10K / J / 1/4W		
R821	ERDS2TJ105	1000K / J / 1/4W		
R822	ERDS2TJ334	330K / J / 1/4W		
R823	ERDS1TJ680	68 / J / 1/2W		
R824	ERDS2TJ103	10K / J / 1/4W		
R825	ERDS2TJ104	100K / J / 1/4W		
R826	ERDS2TJ181	180 / J / 1/4W		
R827	ERDS2TJ104	100K / J / 1/4W		
R828	ERDS2TJ223	22K / J / 1/4W		
R829	ERDS2TJ270	27 / J / 1/4W		
R830	ERG2SJ104	100K / J / 2W		
R831	ERDS2TJ203	20K / J / 1/4W		
R832	ERDS2TJ472	4.7K / J / 1/4W		

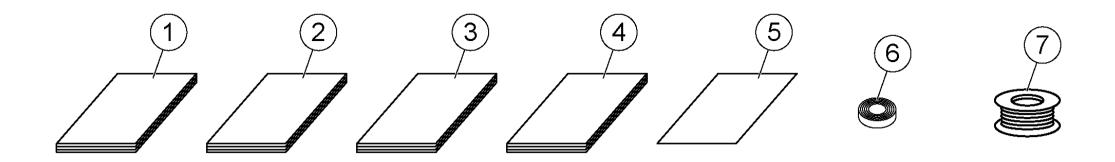
R833	EROS2THF1152	11.5K / F / 1/4W	
R834	ERDS2TJ101	100 / J / 1/4W	
R835	ERDS2TJ104	100K / J / 1/4W	
R836	ERDS2TJ821	820 / J / 1/4W	
R841	ER0S2THF1001	1K / F / 1/4W	
R842	EROS2THF8871	8.87K / F / 1/4W	
R843	ERDS2TJ242	2.4K / J / 1/4W	
R844	ERDS2TJ102T	1K / J / 1/4W	
R845	ERDS2TJ272	2.7K / J / 1/4W	
R861	ERDS2TJ472	4.7K / J / 1/4W	
R862	ERDS2TJ103	10K / J / 1/4W	
R863	ERDS2TJ472	4.7K / J / 1/4W	
R864	ERDS2TJ472	4.7K / J / 1/4W	
R865	ERDS2TJ103	10K / J / 1/4W	
R866	ERDS2TJ103	10K / J / 1/4W	
R881	ERDS2TJ101	100 / J / 1/4W	
R882	ERDS2TJ103	10K / J / 1/4W	
R883	ERDS1TJ470	47 / J / 1/2W	
R884	ERDS2TJ242	2.4K / J / 1/4W	
R885	ERDS2TJ472	4.7K / J / 1/4W	
R886	ERDS2TJ101	100 / J / 1/4W	
CAPACITORS			
C801	ECQU2A684MLA	0.68 / M / 100V	Δ
C802	ECQU2A684MLA	0.68 / M / 100V	Δ
C803	PJCK25222MDT	2200p / M / 250V	Δ
C804	PJCK25222MDT	2200p / M / 250V	Δ
C805	ECQE2W474KC	0.47 / K / 450V	Δ
C806	ECQE4103KF3	0.01 / K / 400V	
C807	F2B2W2210007	220p / M / 450V	Δ
C808	PJCK25472MDT	4700p / M / 50V	Δ
C809	ECQB1H333JF3	0.033 / J / 50V	
C810	ECQB1H471JF	470p / J / 50V	
C812	ECQV1H104JL3	0.1 / J / 50V	
C813	ECQB1H333JF3	0.033 / J / 50V	
C814	PJCE1H100MCH	10p / M / 50V	
C815	ECQV1H104JL3	0.1 / J / 50V	
C816	35YXF100M	100p / M / 35V	
			J

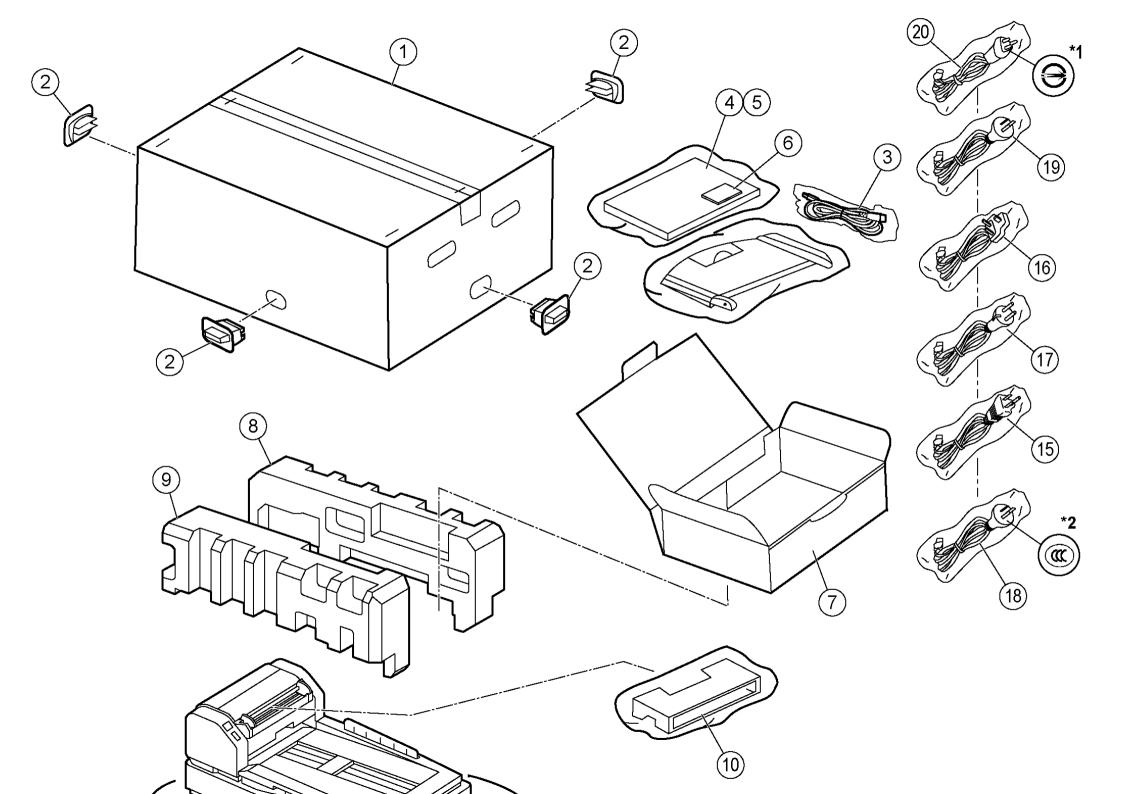
C817	ECQB1H471JF	470p / J / 50V	
C818	ECQB1H103JF3	0.01 / J / 50V	
C819	ECQB1H472JF3	4700p / J / 50V	
C820	ECQV1H104JL3	0.1 / J / 50V	
C822	F1B3F1220001	1200p / K / 3KV	
C823	35YXF100M	100p / M / 35V	
C824	ECQV1H104JL3	0.1 / J / 50V	
C825	ECQV1H104JL3	0.1 / J / 50V	
C826	ECQV1H104JL3	0.1 / J / 50V	
C841	F2A1V2220019	2200p / 35V	
C842	F2A1V2220019	2200p / 35V	
C843	F2A1V2220019	2200p / 35V	
C844	F2A1V2220019	2200p / 35V	
C845	ECQV1H104JL3	0.1 / J / 50V	
C881	PJCE1H100MCH	10p / M / 50V	
C882	PJCE1H100MCH	10p / M / 50V	
		COILS	
L801	ELF18D850C	Line Filter	Δ
L802	ELF18D850C	Line Filter	Δ
L803	G0A941J00001	Coil	Δ
L841	G0A6R8K00004	Coil	
	,	DIODES	,
D801	B0FBBR000014	Diode	Δ
D802	B0HARR000018	Diode	Δ
D803	B0EALR000008	Diode	
D804	B0EAEM000001	Diode	
D805	B0EAEM000001	Diode	
D806	ERA83004AVRB	Diode	
D807	RD7.5ESAB3	Zener Diode	
D808	B0EAEM000001	Diode	
D809	B0EAEM000001	Diode	
D810	B0EAEM000001	Diode	
D811	B0EAEM000001	Diode	
D812	ERB44-10G1	Diode	
D813	ERB44-10G1	Diode	
D814	B0EAEM000001	Diode	
D815	B0BA02600019	Zener Diode	

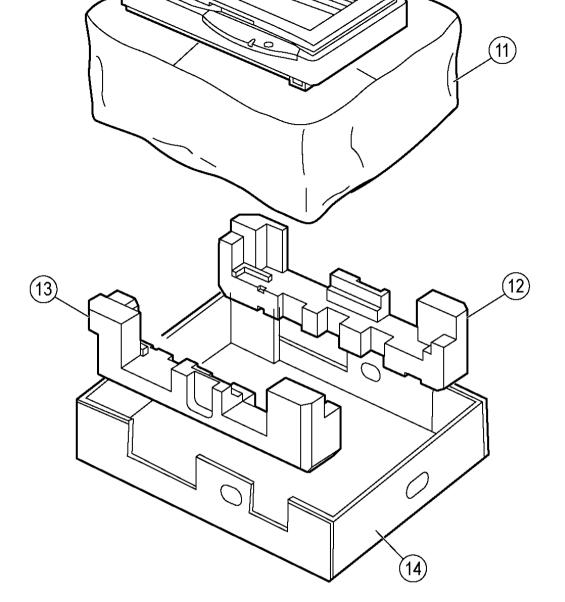
D816	B0BA02600019	Zener Diode	
D817	B0BA02600019	Zener Diode	
D841	B0JBSL000011	Diode	
D881	MA165	Diode	
D882	B0BA02600019	Zener Diode	
D883	MA165	Diode	
D884	B0EAEM000001	Diode	
D886	MA165	Diode	
D887	MA165	Diode	
D888	B0BA5R000010	Zener Diode	
	TRA	ANSISTORS	
Q801	B1DEGR000022	Transistor	Δ
Q802	B1GCCFGJ0002	Transistor	
Q803	UNR421200A	Transistor	
Q804	2SC3311A	Transistor	
Q806	UNR421200A	Transistor	
Q807	2SA1309A	Transistor	
Q861	B1GCCFGJ0002	Transistor	
Q862	UNR421200A	Transistor	
Q863	UNR421200A	Transistor	
Q864	UNR421200A	Transistor	
Q865	2SB1457T	Transistor	
Q881	2SC3311A	Transistor	
		ICs	
IC801	C0DABZG00001	AC-DC Converter	\triangle
IC802	C0DACZH00013	Regulator	Δ
IC803	B3PAA0000261	Photo Isolator	Δ
IC804	B3PAA0000261	Photo Isolator	Δ
IC805	B3PAA0000261	Photo Isolator	Δ
IC807	C0DAEFC00001	IC, Linear	
IC841	C0DAEFC00001	IC, Linear	
	(OTHERS	
CN801	B2P3-VH	Connector	Δ
CN802	K1KA10A00404	Connector	
CN803	ВЗВ-ЕН	Connector	
F801	K5Y402B00002	Fuse, 250V	Δ
F841	XBA2C63TB15L	Fuse, 250V	A

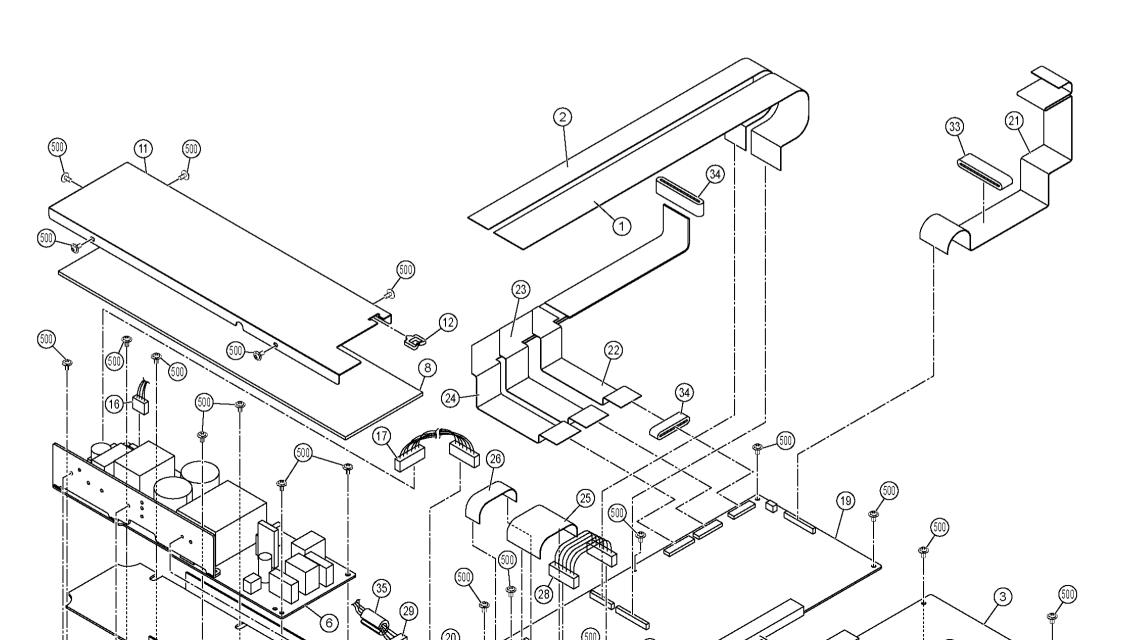
FH1	TJC6320	Fuse Holder	
FH2	TJC6320	Fuse Holder	
FH3	TJC6320	Fuse Holder	
FH4	TJC6320	Fuse Holder	
TH801	D4CAD5R00004	Thermistor	Δ
TH802	D4CAD5R00004	Thermistor	Δ
ZNR801	470NS10D-K0	Varistor	Δ
	FA-35-9051	Insulator Sheet	
	PJMYB0012Z	Heat Sink	
	PJMYC0001Z	Heat Sink	
	XTN3+8JFX	Screw	
	XTW3+U8SFX	Screw	
	XTW3+10S	Screw	

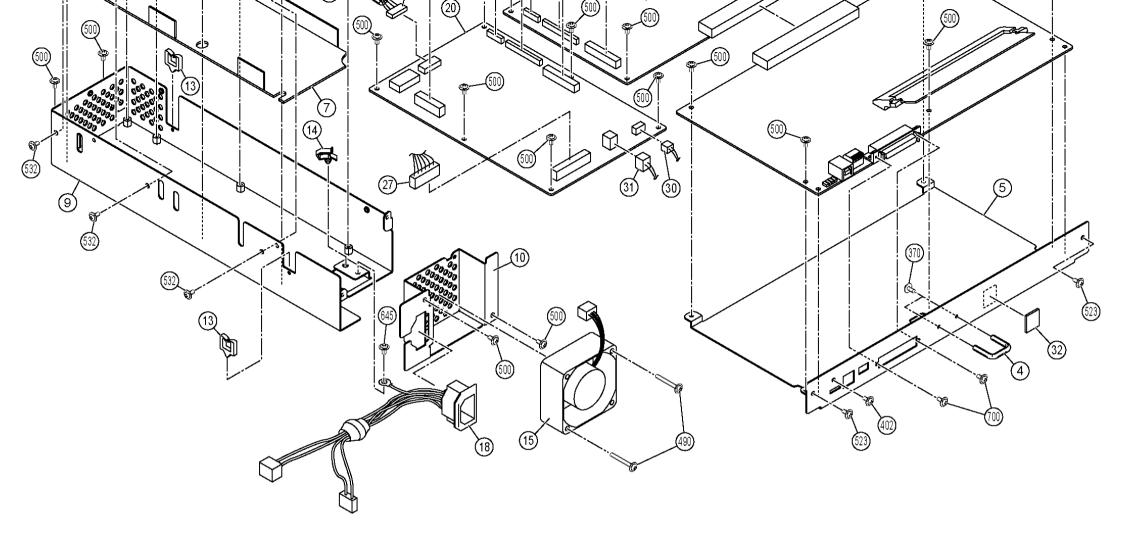
TOP PREVIOUS

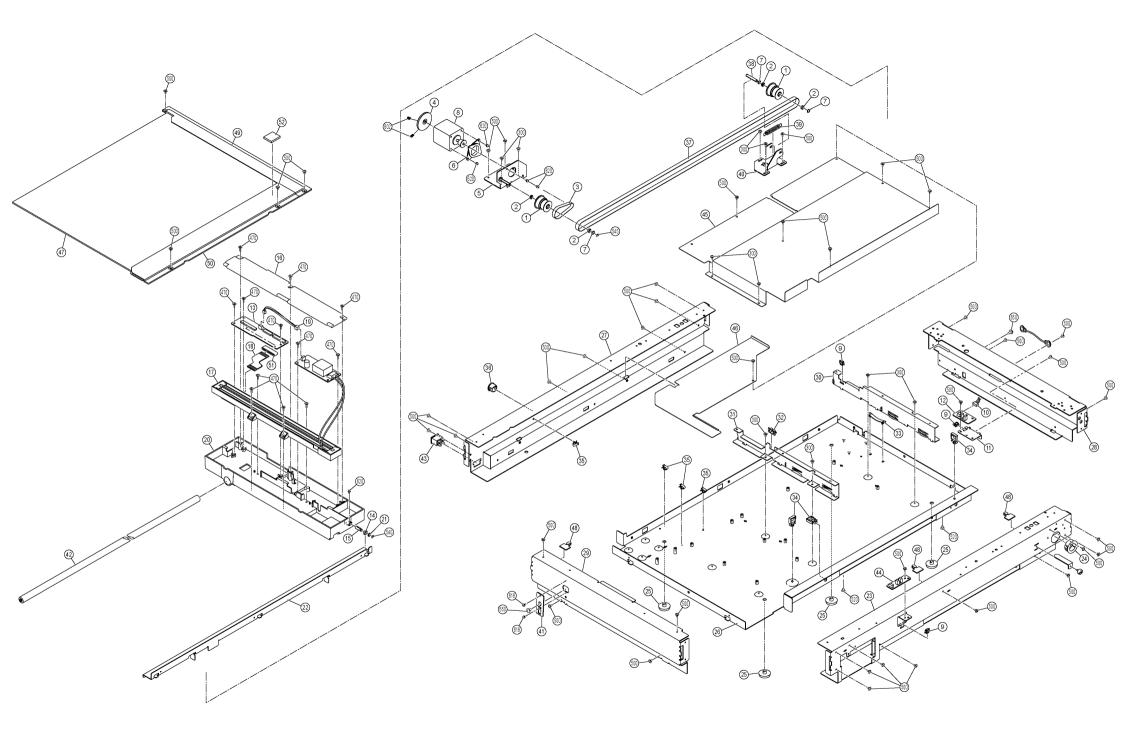


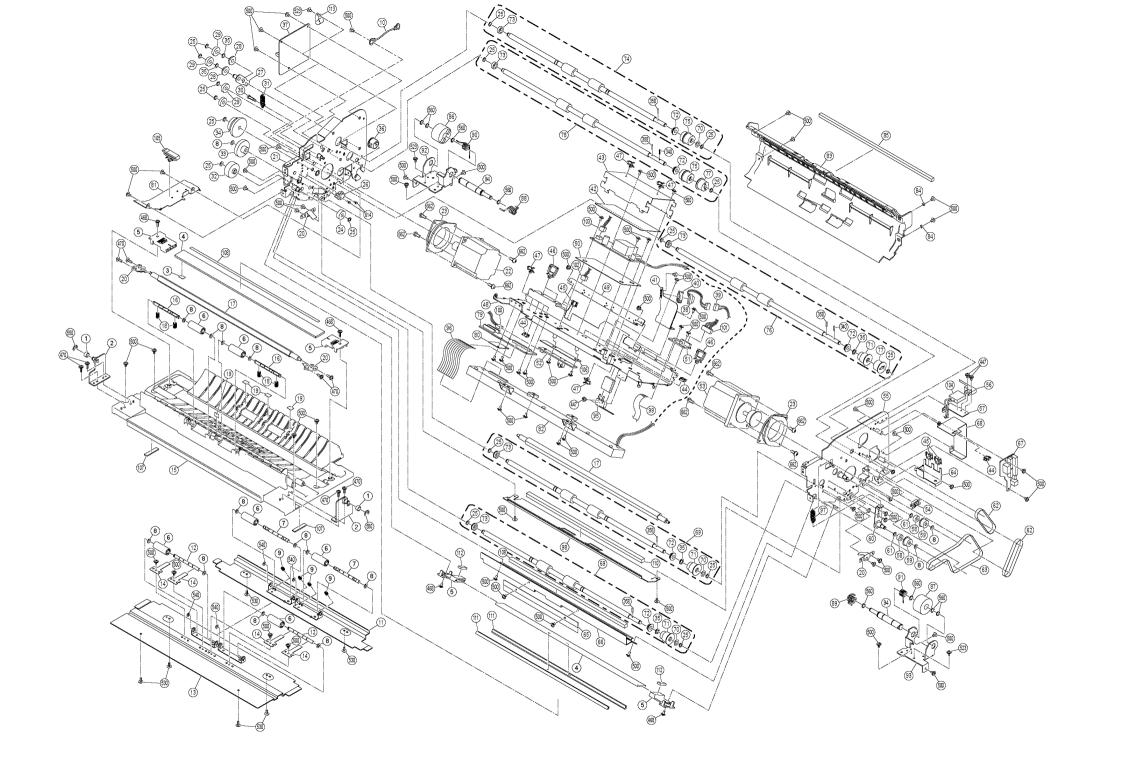


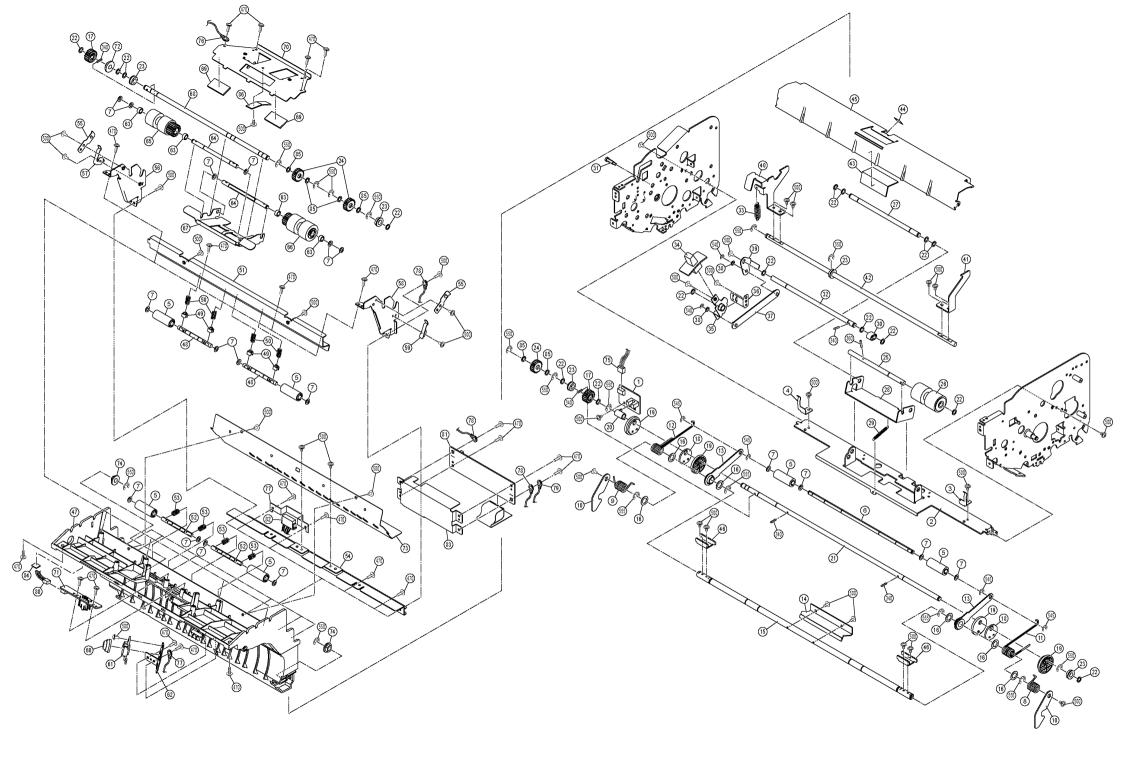


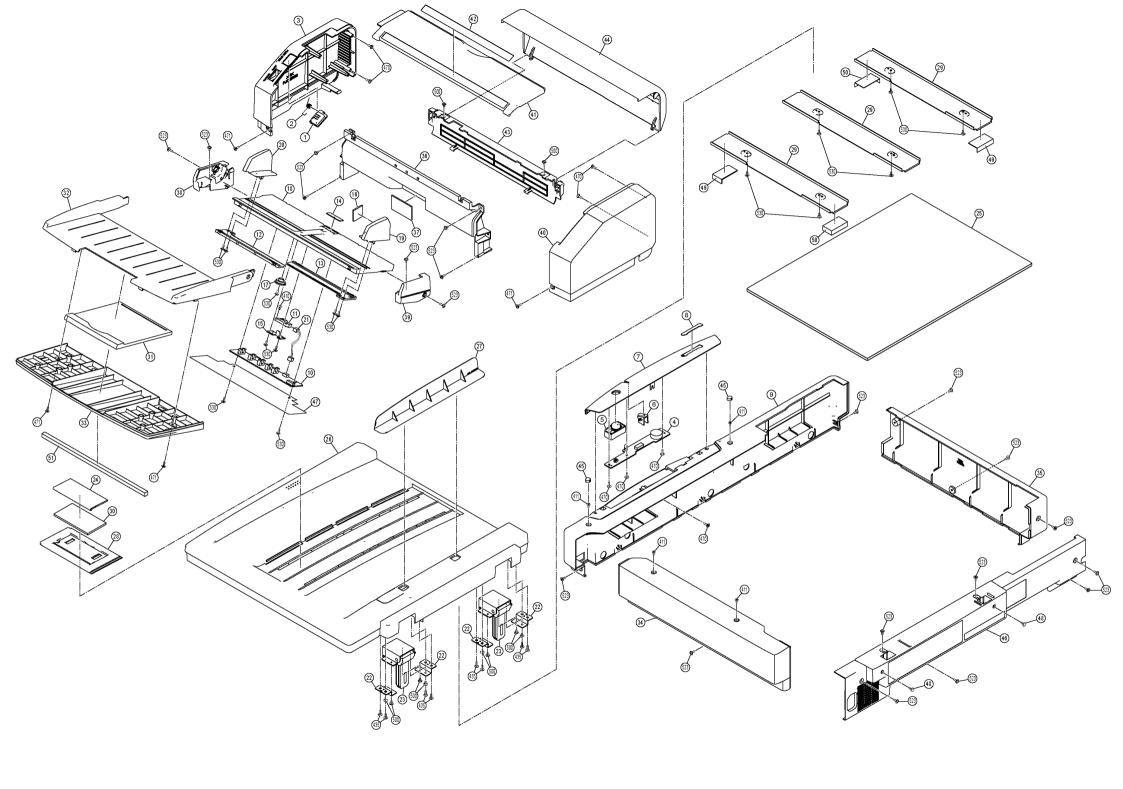


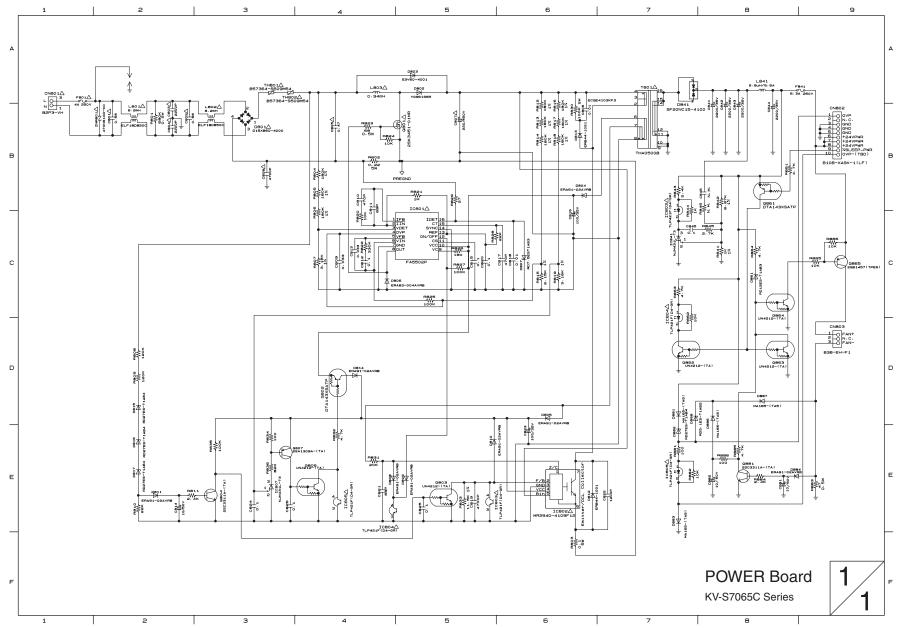


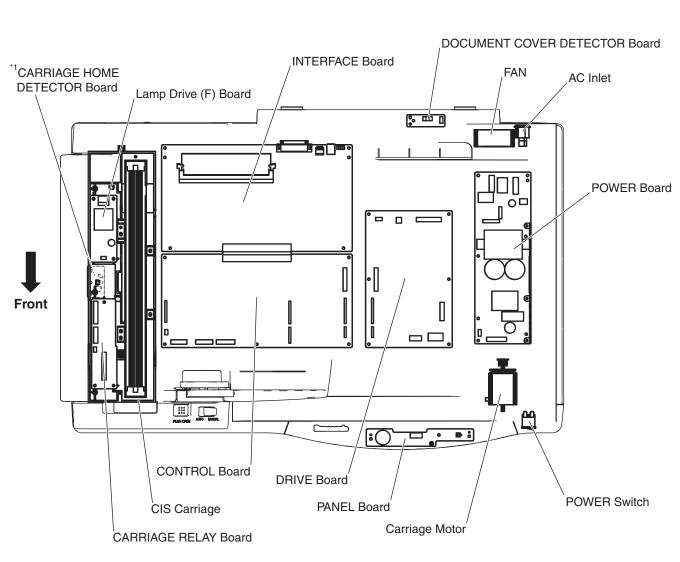


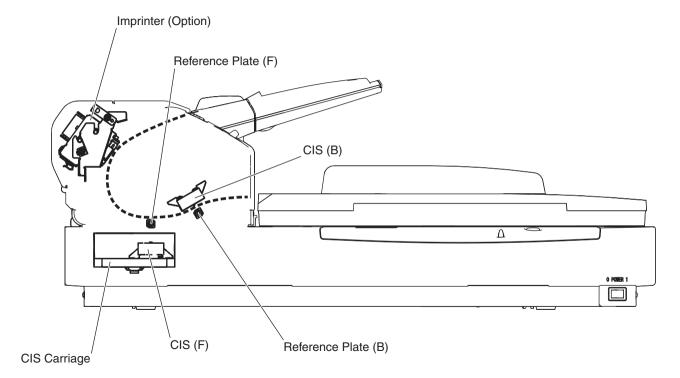


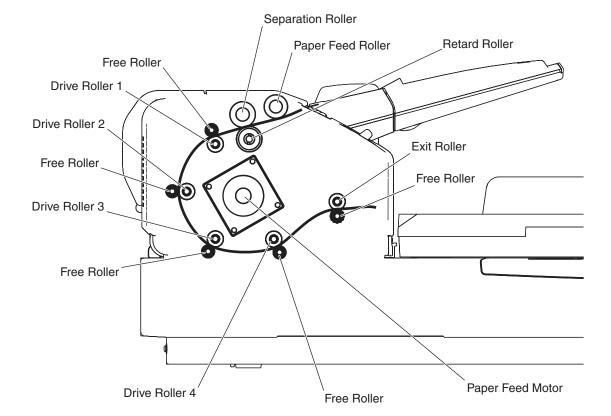


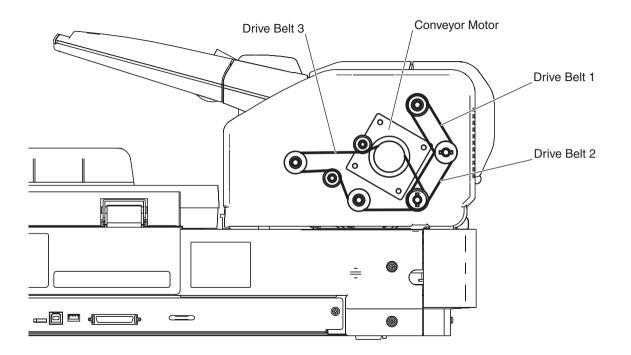


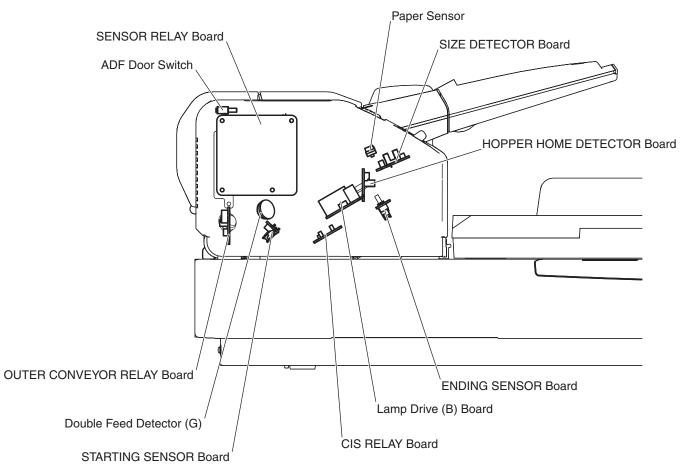


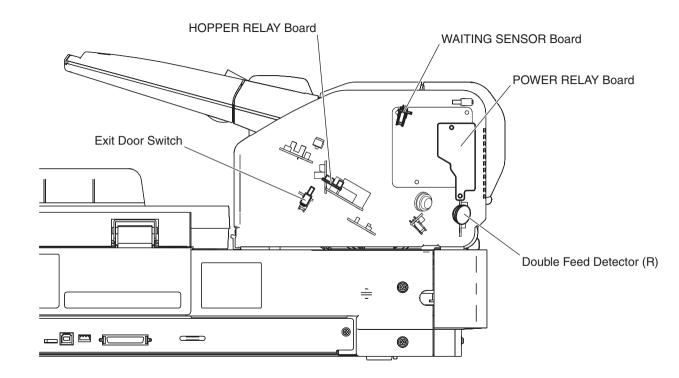


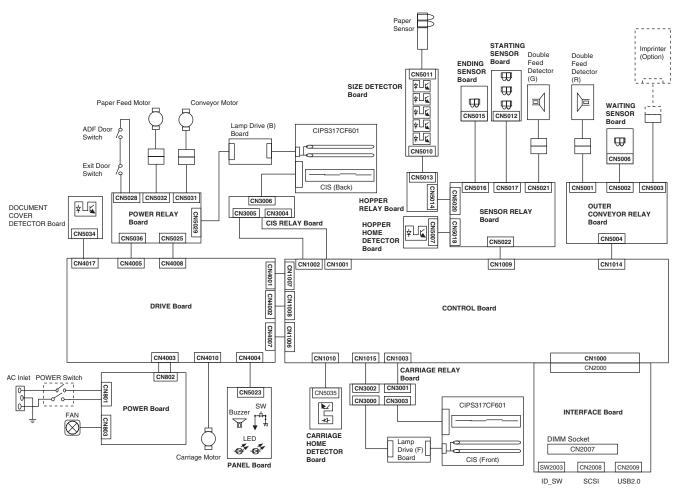


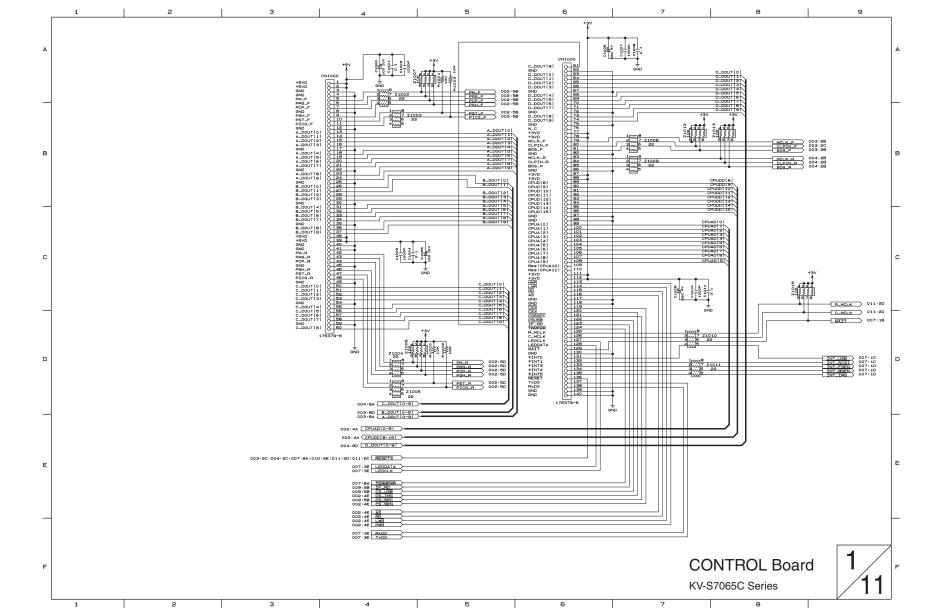


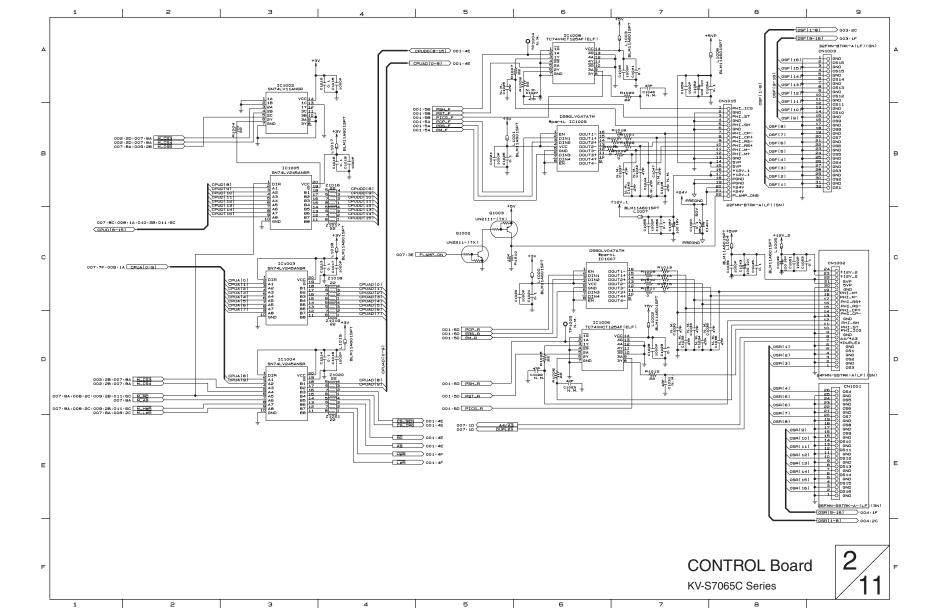


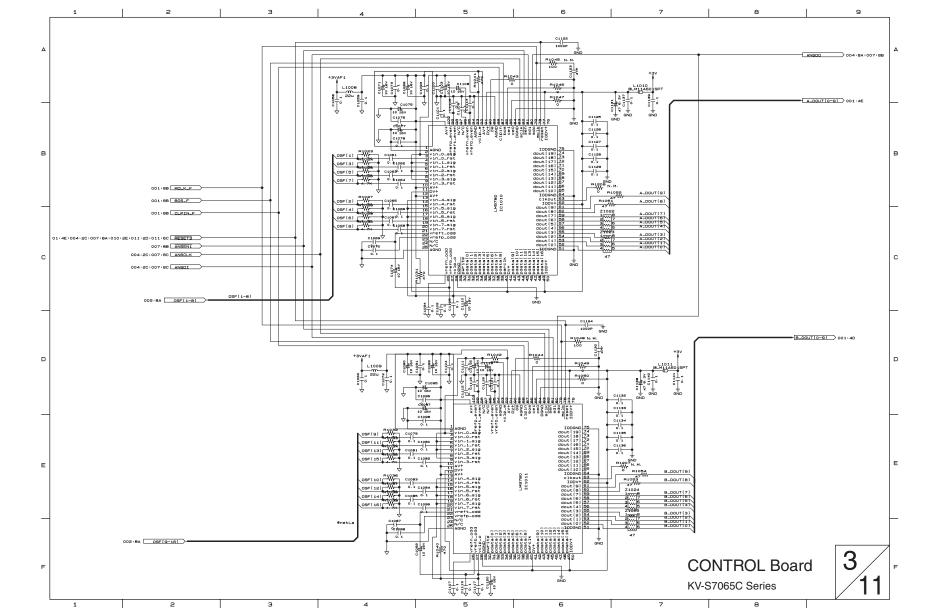


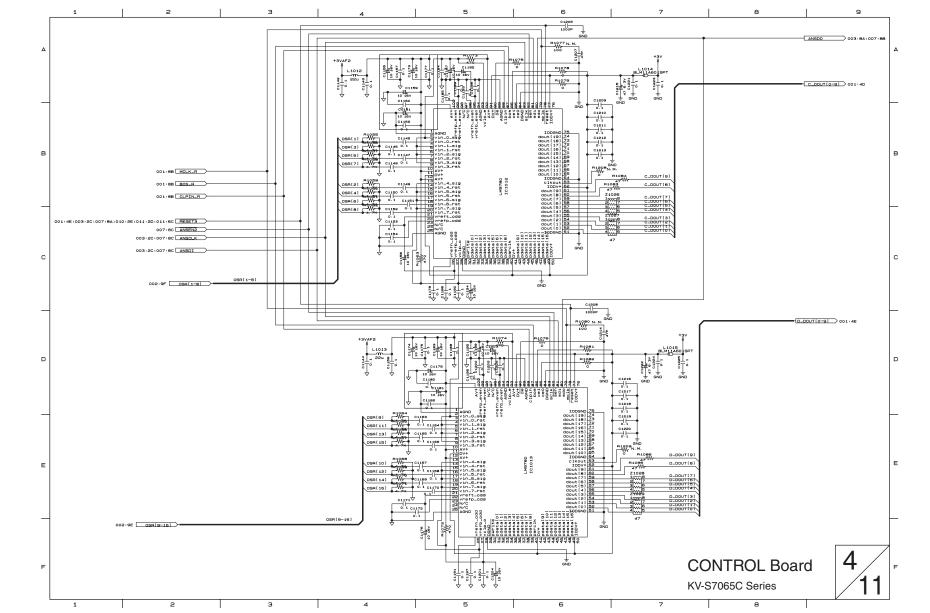


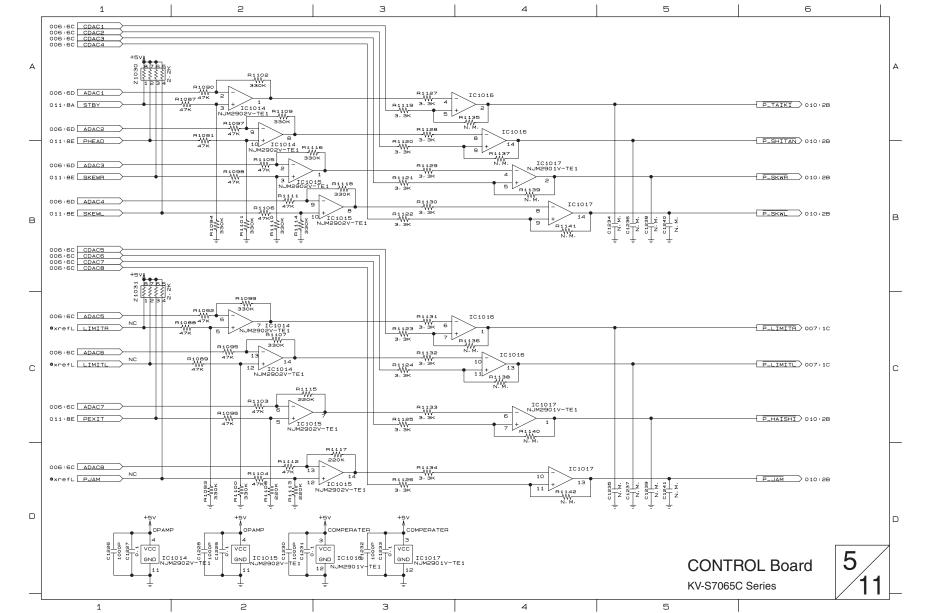


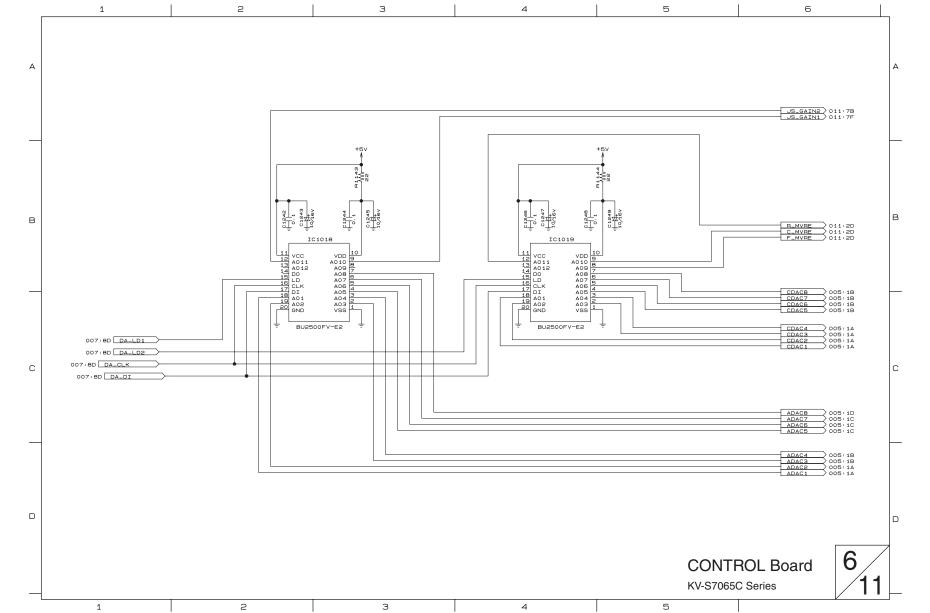


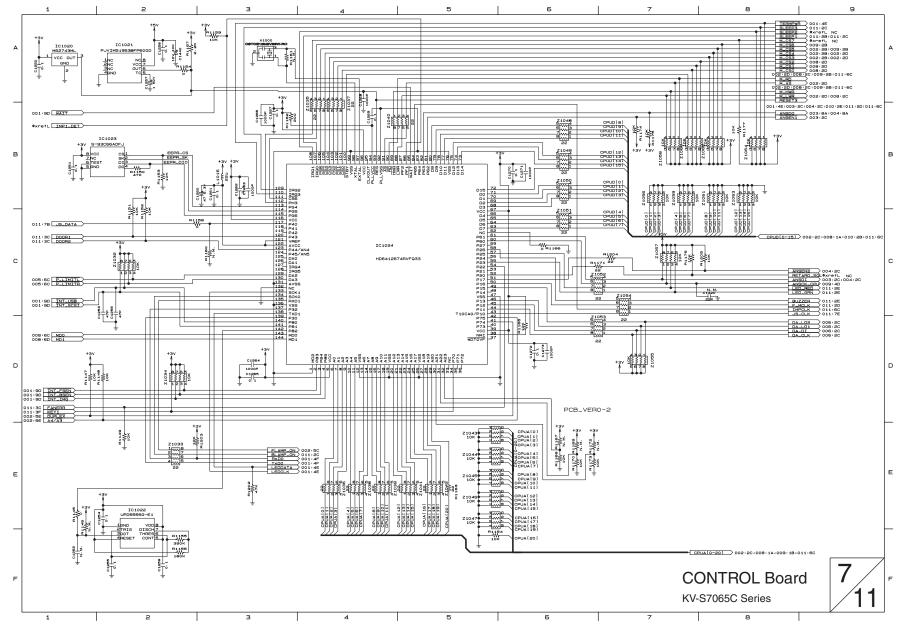


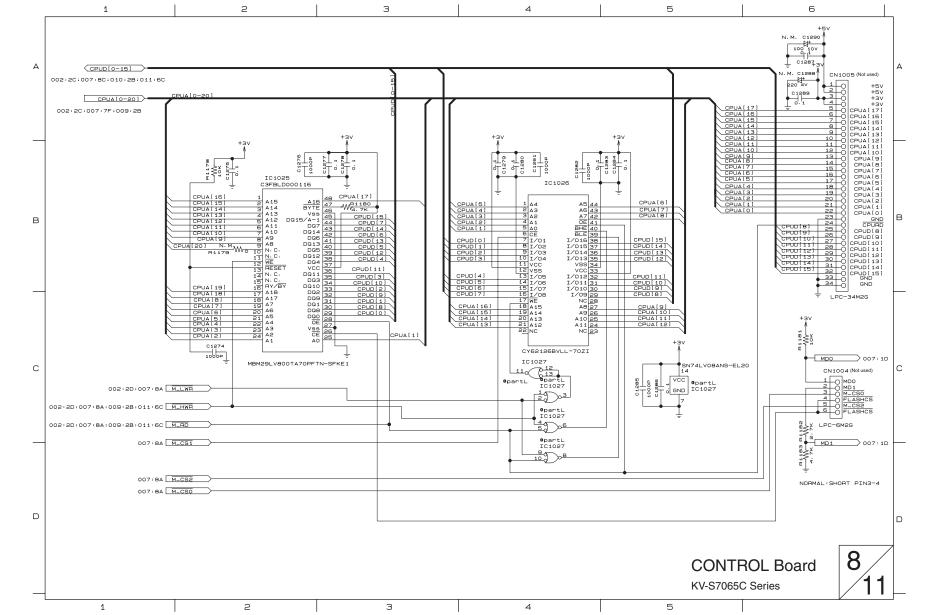


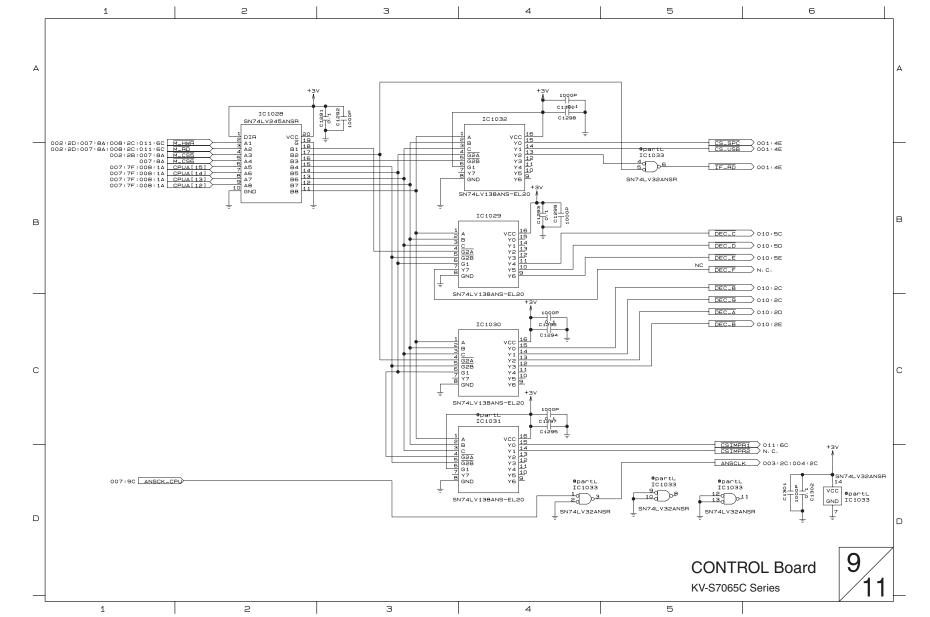


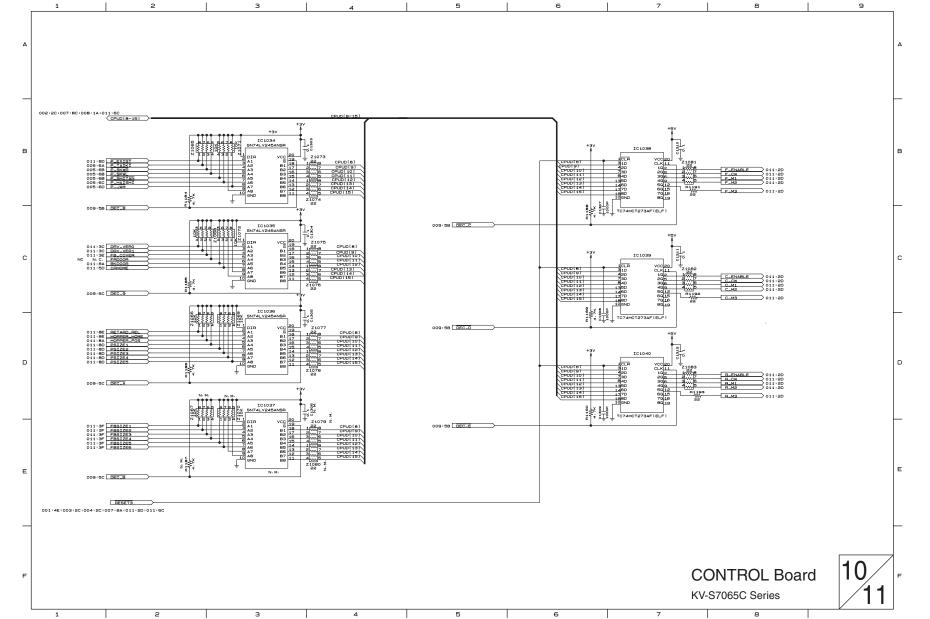


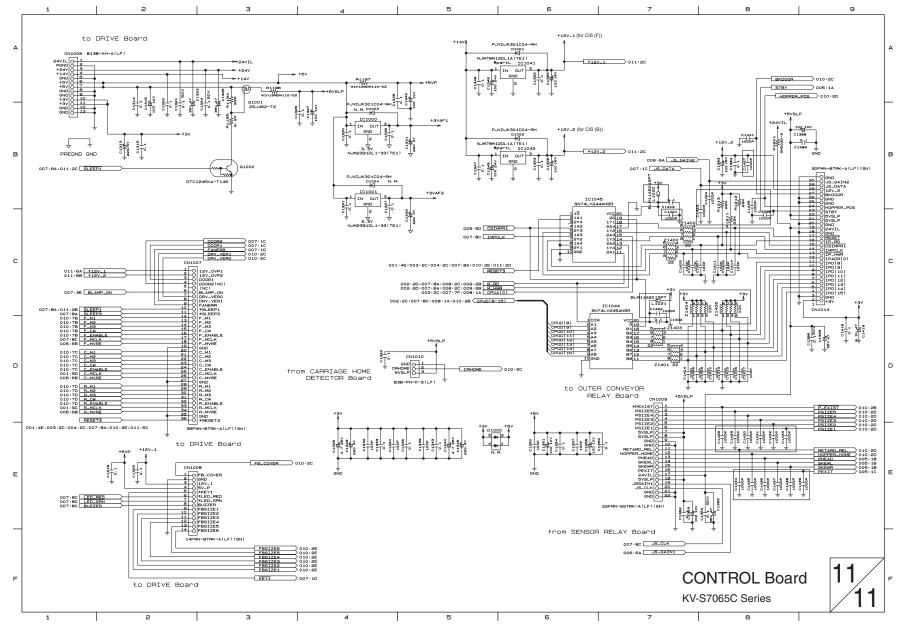


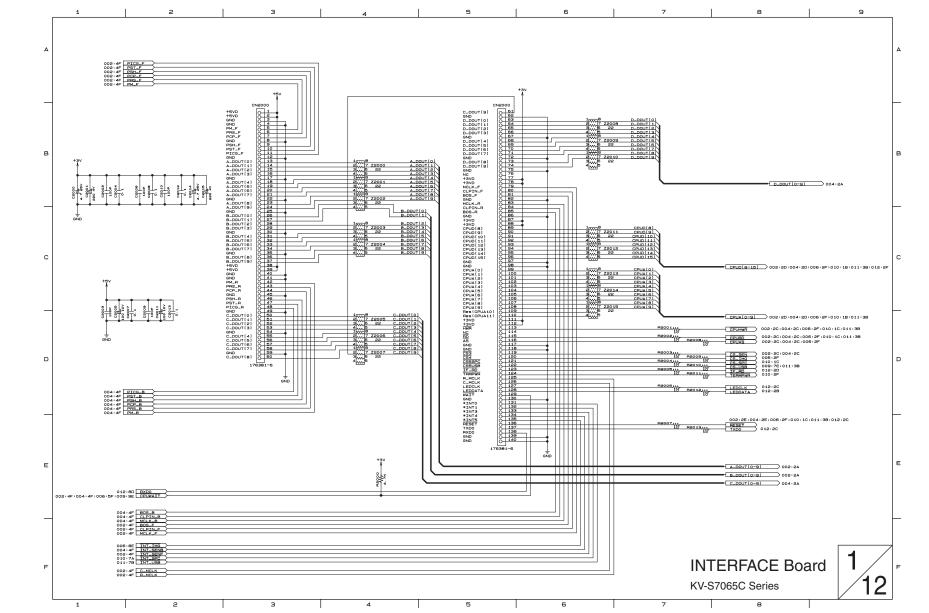


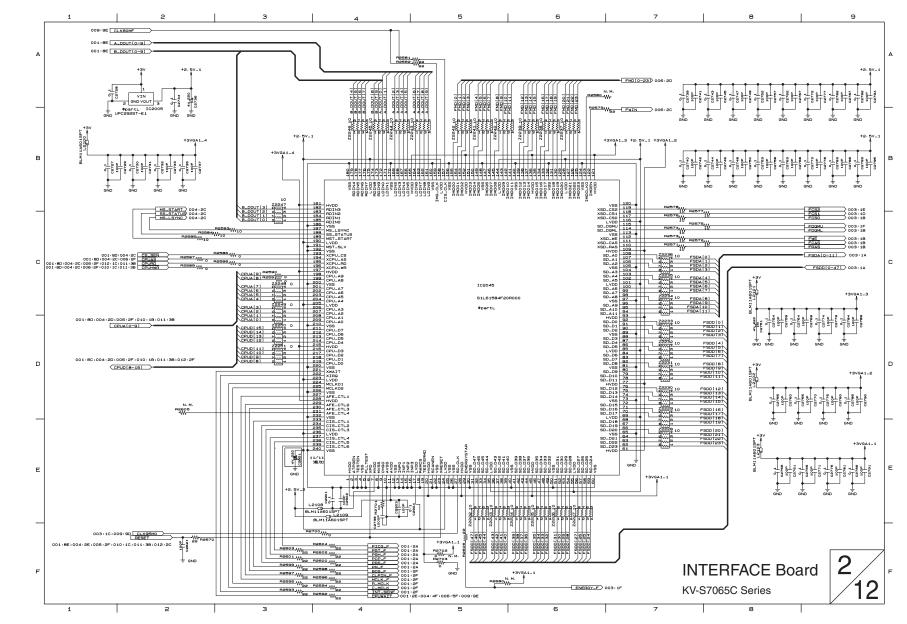


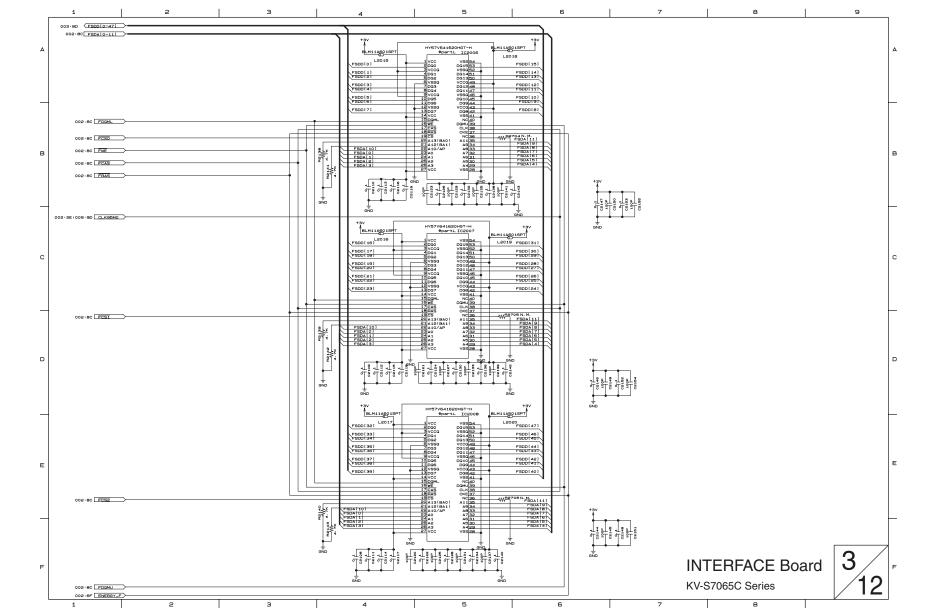


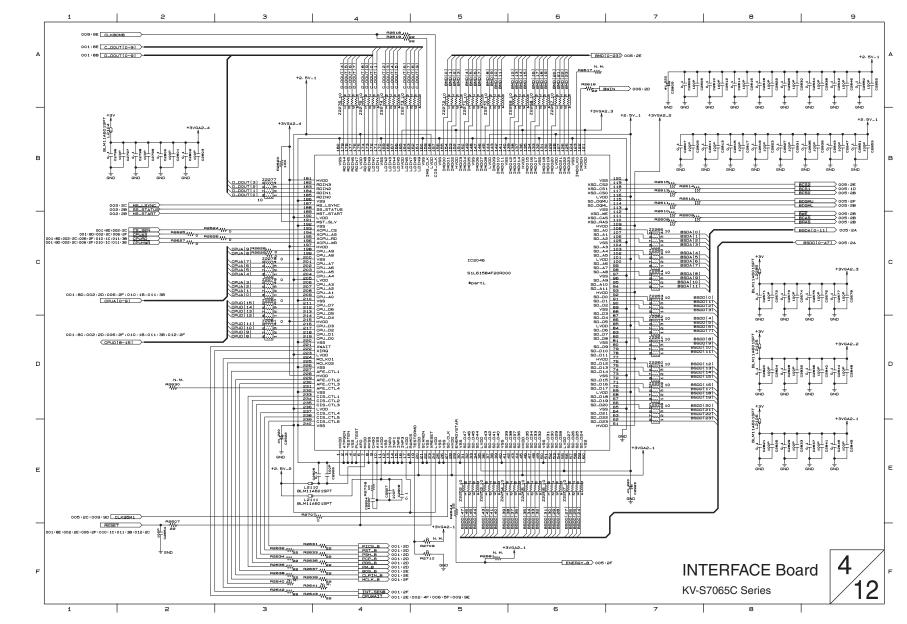


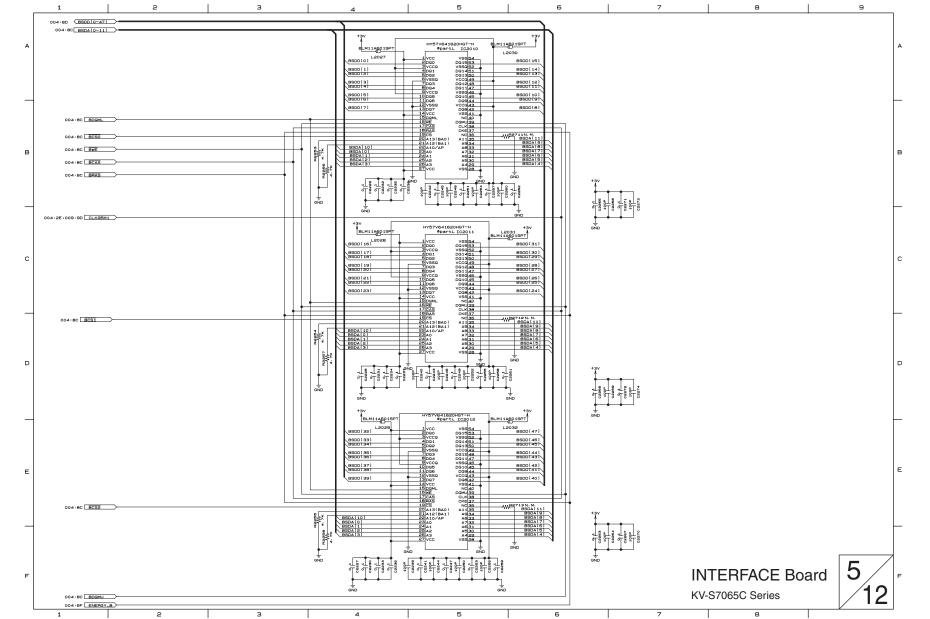


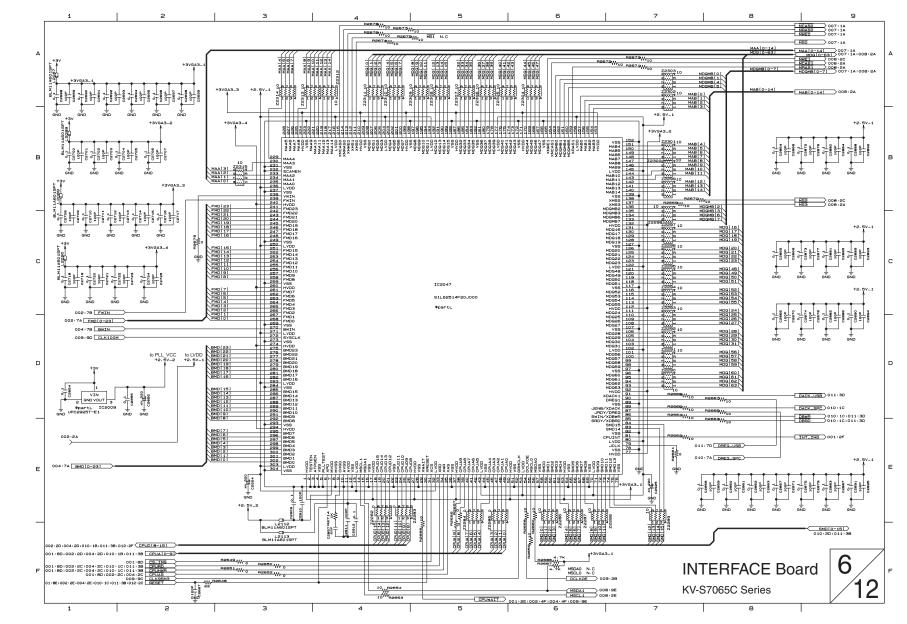


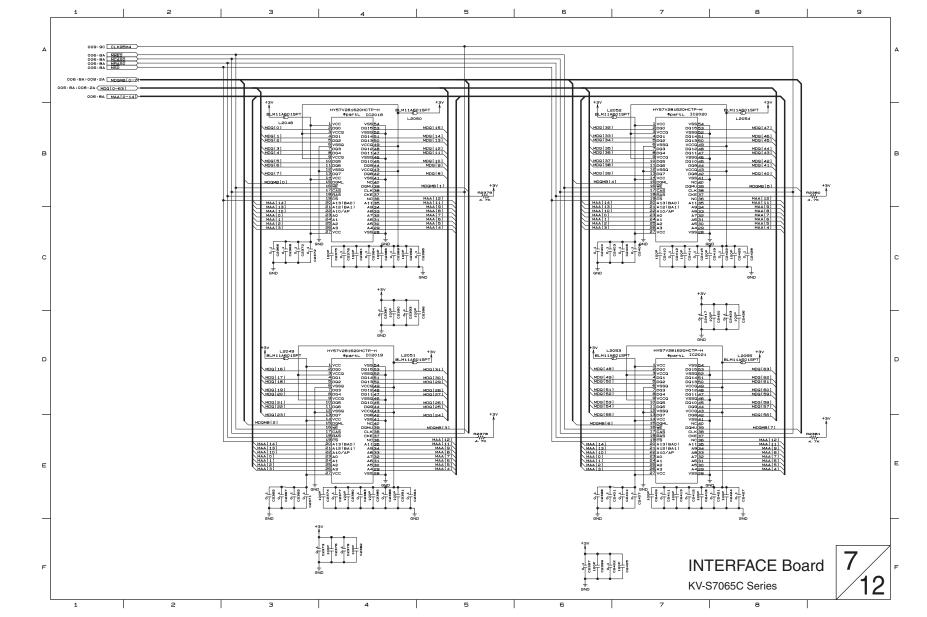


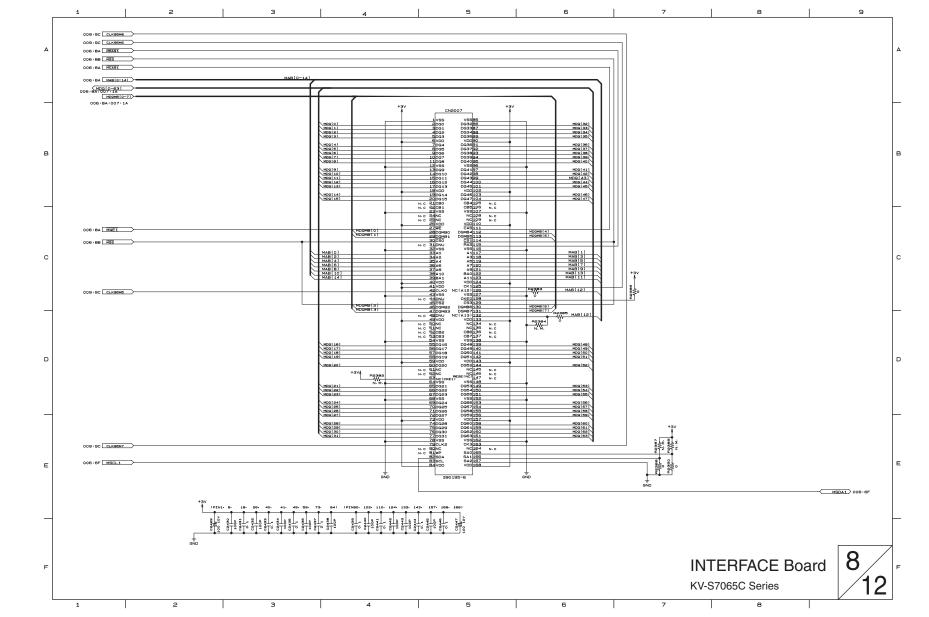


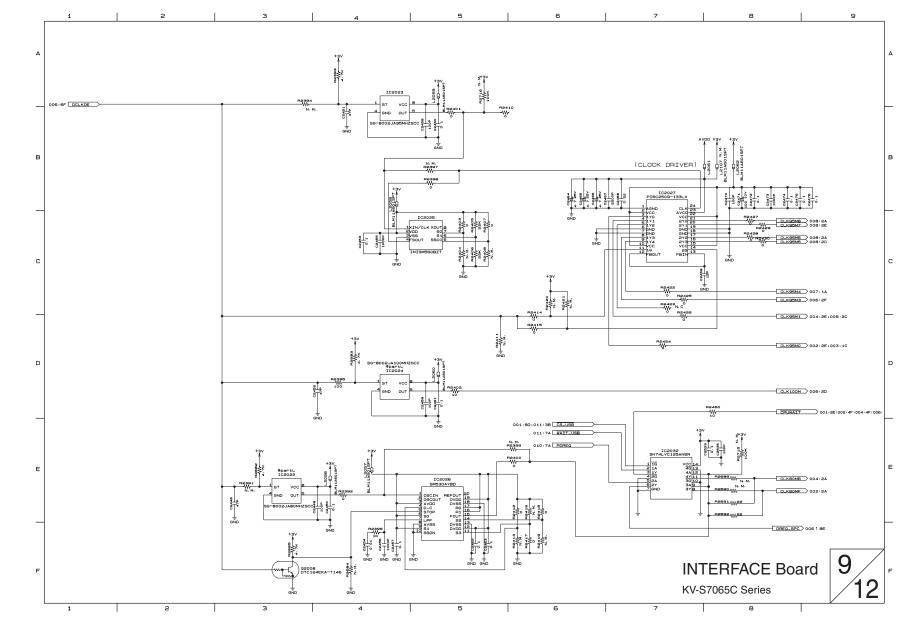


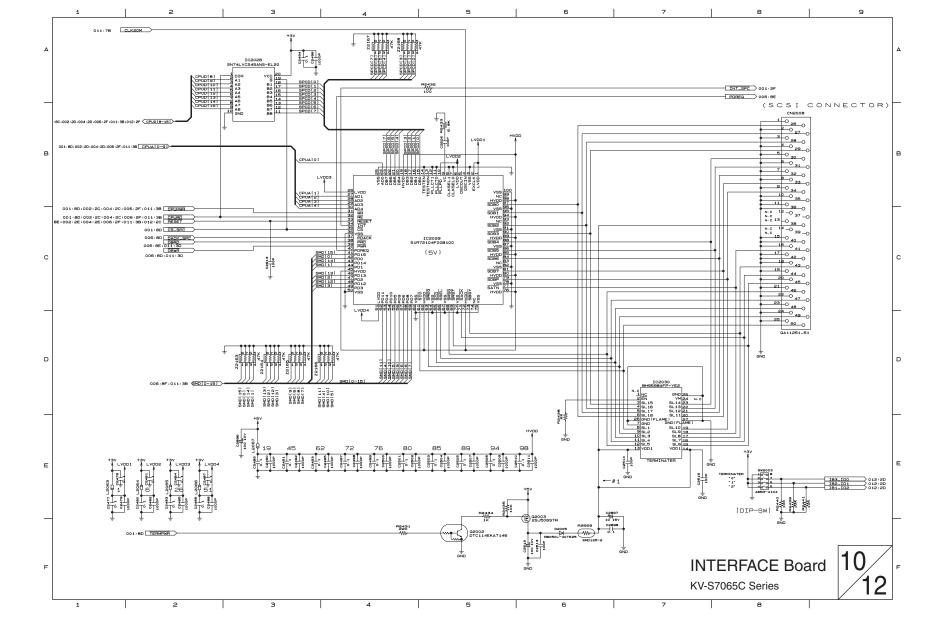


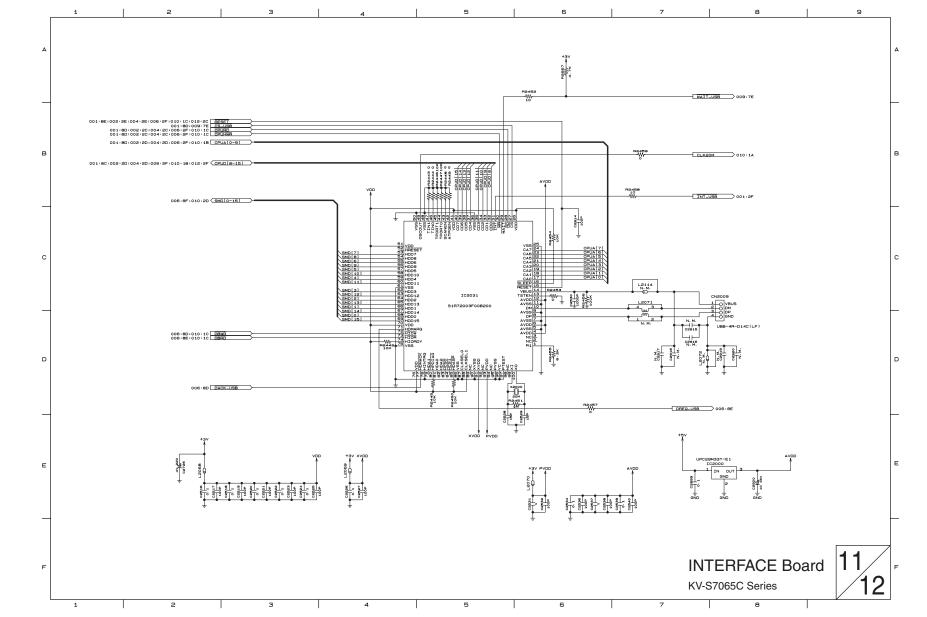


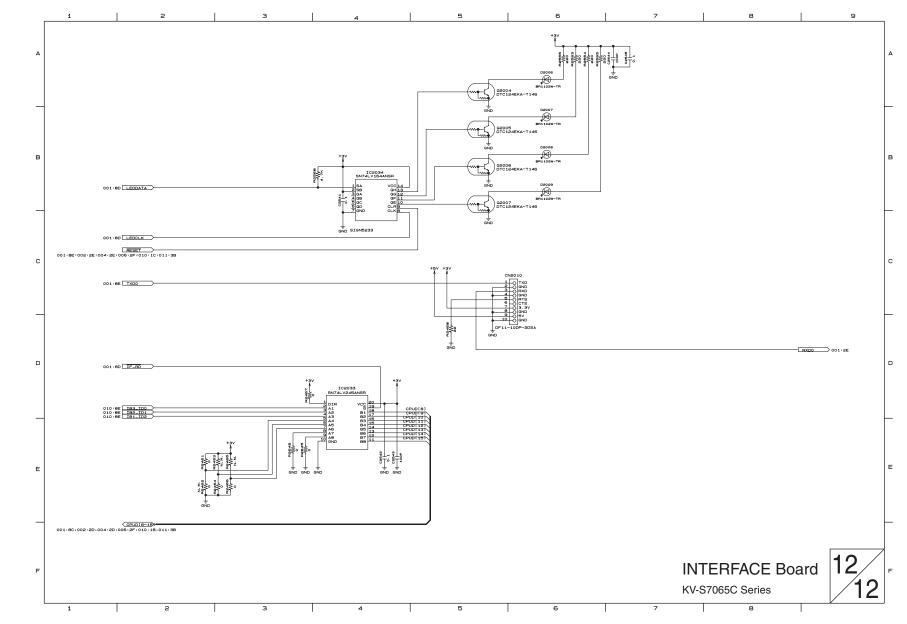


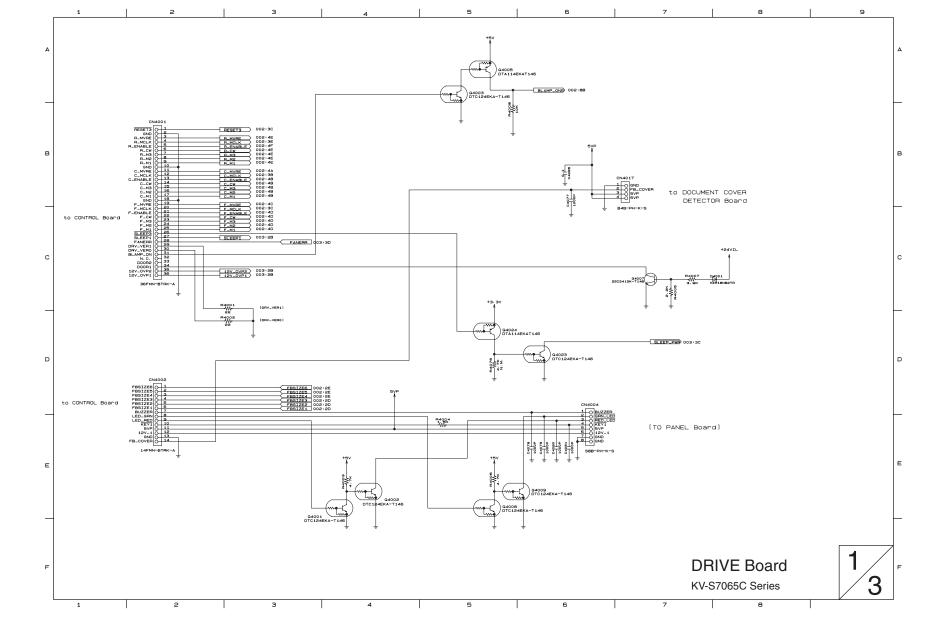


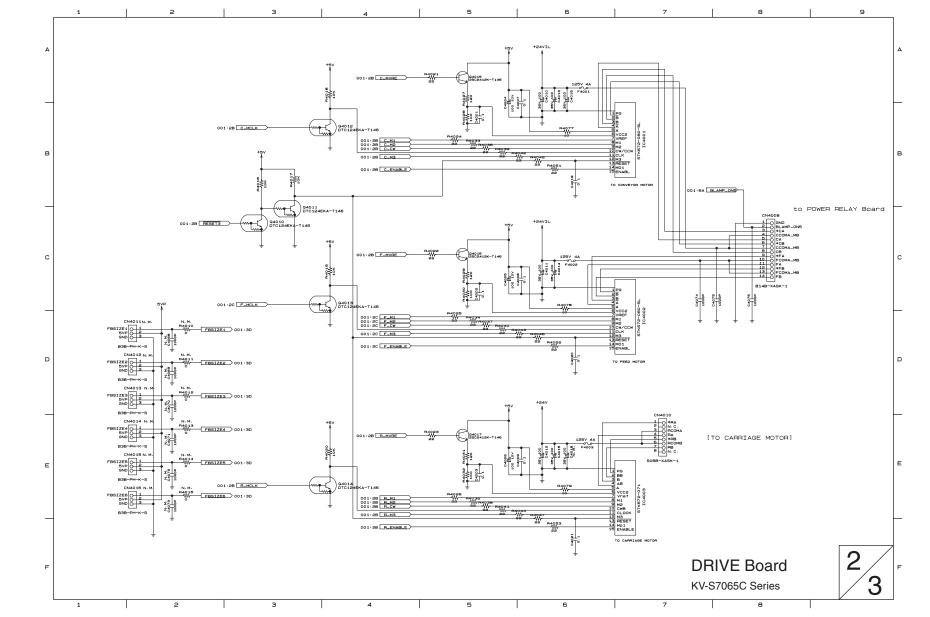


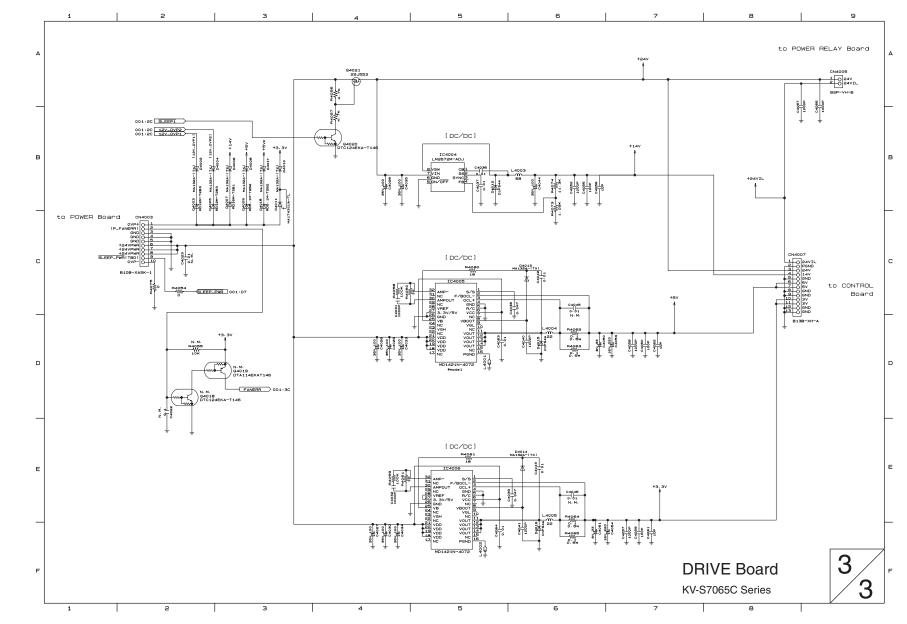


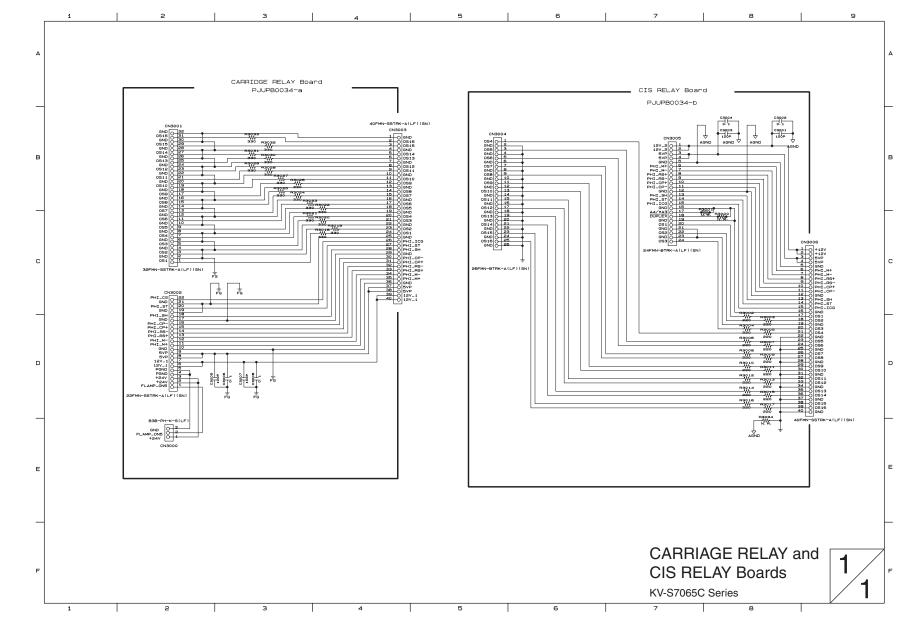


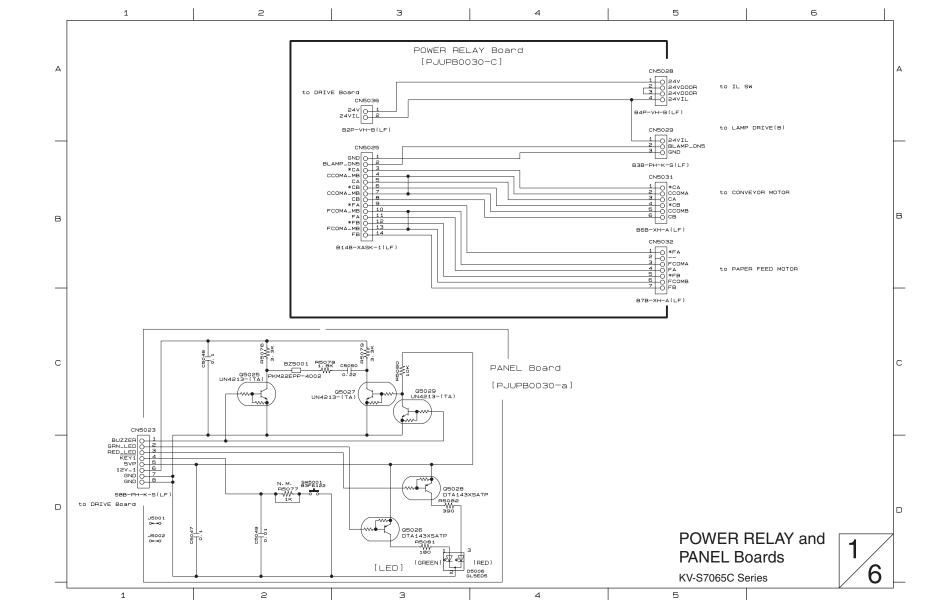


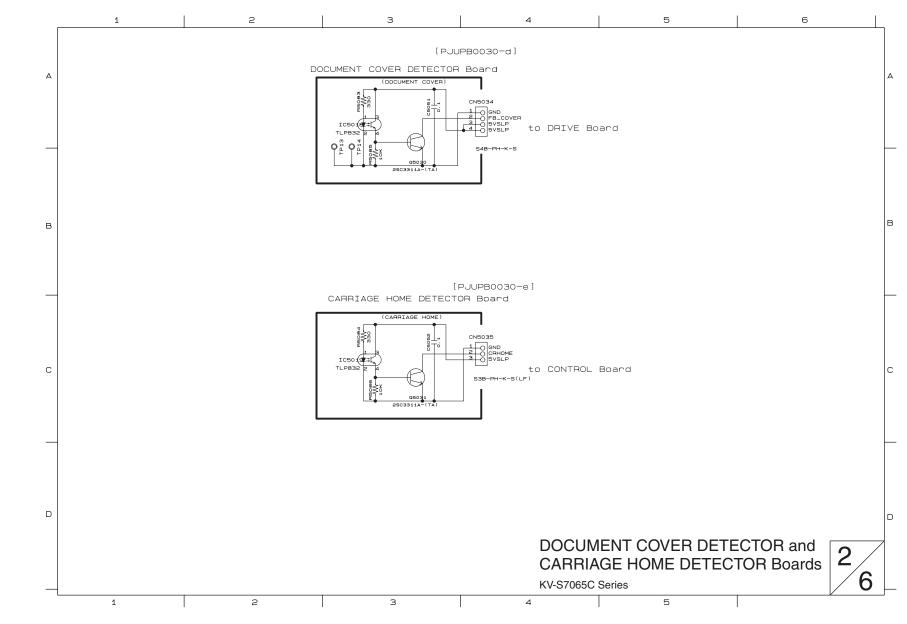


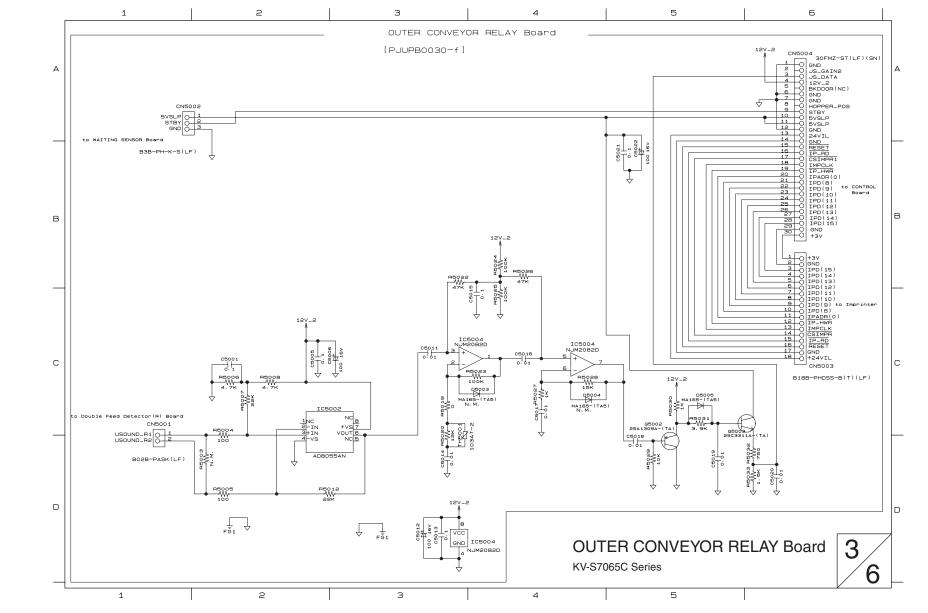


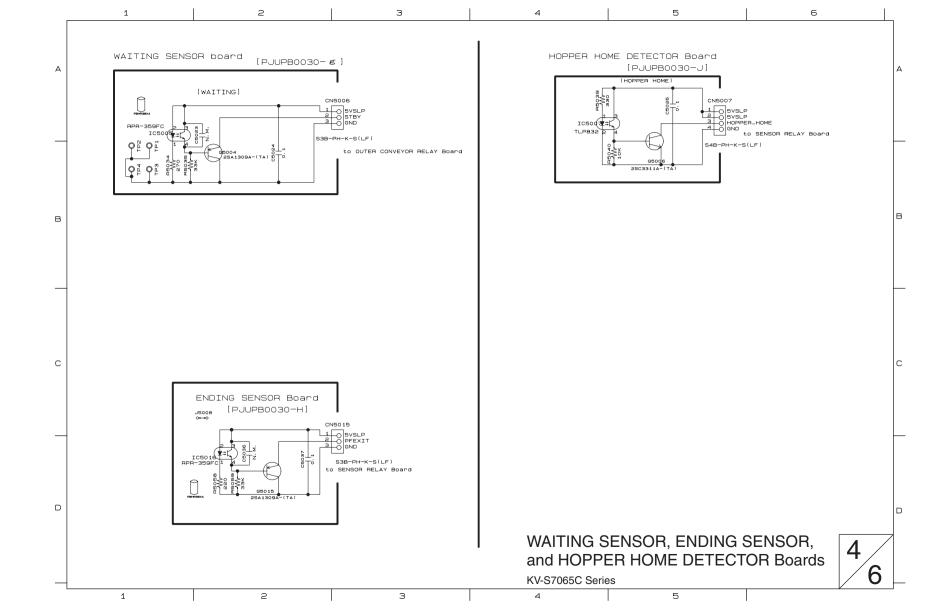


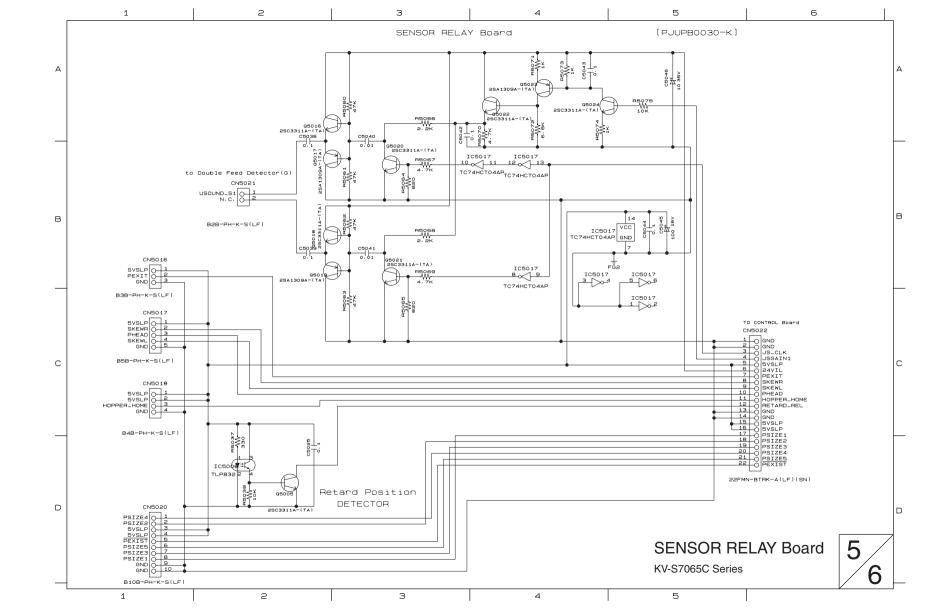


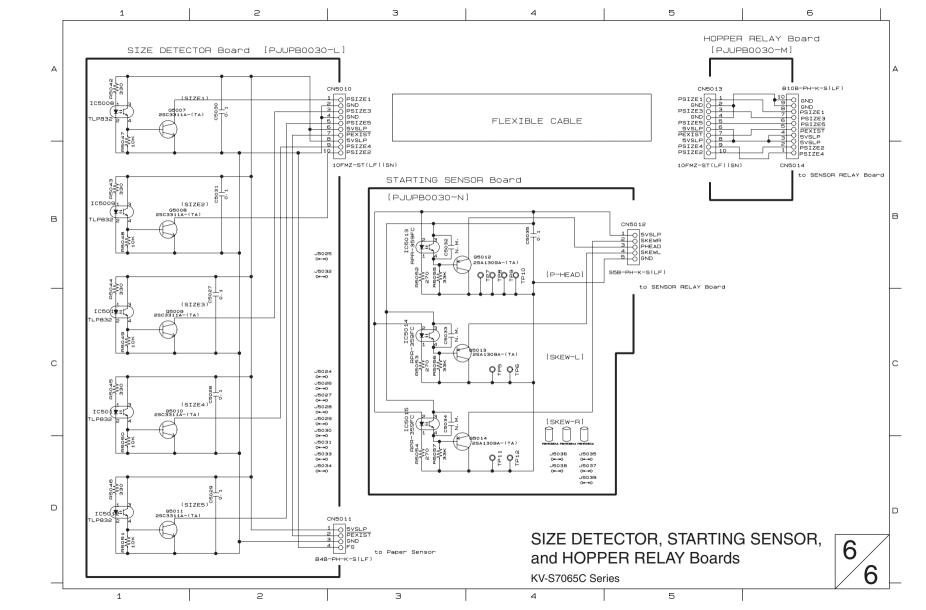












CN1000 [CONTROL Board] - CN2000 [INTERFACE Board] Signal Name Description Pin No. CN1000 CN2000 1 1 +5VD +5 V 2 2 +5VD +5 V 3 3 GND Ground 4 4 GND Ground PM F 5 5 Front CIS clock (5 MHz) PRS F Front CIS reset pulse 6 6 7 7 PCP_F Front CIS clamp pulse 8 8 **GND** Ground 9 9 PSH F Front CIS shift pulse 10 10 PST F Front CIS storage pulse 11 11 PICG_F Front CIS ICG pulse 12 12 **GND** Ground A_DOUT (0) 13 13 Front CIS CH1-8 digital data [0] 14 14 Front CIS CH1-8 digital data [1] A_DOUT (1) 15 15 Front CIS CH1-8 digital data [2] A_DOUT (2) 16 16 A_DOUT (3) Front CIS CH1-8 digital data [3] 17 17 **GND** Ground 18 18 A_DOUT (4) Front CIS CH1-8 digital data [4] 19 19 A DOUT (5) Front CIS CH1-8 digital data [5]

Front CIS CH1-8 digital data [6]

Front CIS CH1-8 digital data [7]

Front CIS CH1-8 digital data [8]

Front CIS CH1-8 digital data [9]

Front CIS CH9-16 digital data [0]

Front CIS CH9-16 digital data [1]

Front CIS CH9-16 digital data [2]

Front CIS CH9-16 digital data [3]

Front CIS CH9-16 digital data [4]

Front CIS CH9-16 digital data [5]

Front CIS CH9-16 digital data [6]

Front CIS CH9-16 digital data [7]

Front CIS CH9-16 digital data [8]

Front CIS CH9-16 digital data [9]

Back CIS clock (5 MHz)

Back CIS reset pulse

Back CIS clamp pulse

Back CIS shift pulse

Back CIS ICG pulse

Back CIS storage pulse

Back CIS CH1-8 digital data [0]

Back CIS CH1-8 digital data [1]

Back CIS CH1-8 digital data [2]

Back CIS CH1-8 digital data [3]

Back CIS CH1-8 digital data [4]

Back CIS CH1-8 digital data [5]

Back CIS CH1-8 digital data [6]

Back CIS CH1-8 digital data [7]

Ground

Ground

Ground

Ground

+5 V

+5 V

Ground

Ground

Ground

Ground

Ground

20

21

22

23 24

25

26

27

28

29

30

31

32

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34

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58

A_DOUT (6)

A DOUT (7)

A_DOUT (8)

A_DOUT (9)

B_DOUT (0)

B DOUT (1)

B_DOUT (2)

B DOUT (3)

B_DOUT (4)

B_DOUT (5)

B_DOUT (6)

B_DOUT (7)

B_DOUT (8)

B_DOUT (9)

GND

GND

GND

GND

+5VD

+5VD

GND

GND

PM R

PRS R

PCP_R

PSH R

PST R

PICG_R

C_DOUT (0)

C_DOUT (1)

C_DOUT (2)

C_DOUT (3)

C_DOUT (4)

C_DOUT (5)

C_DOUT (6)

C_DOUT (7)

GND

GND

GND

Pin	No.	Signal Name	Description
CN1000	CN2000		·
59	59	GND	Ground
60	60	C_DOUT (8)	Back CIS CH1-8 digital data [8]
61	61	C_DOUT (9)	Back CIS CH1-8 digital data [9]
62	62	GND	Ground
63	63	D_DOUT (0)	Back CIS CH9-16 digital data [0]
64	64	D_DOUT (1)	Back CIS CH9-16 digital data [1]
65	65	D_DOUT (2)	Back CIS CH9-16 digital data [2]
66	66	D_DOUT (3)	Back CIS CH9-16 digital data [3]
67	67	GND	Ground
68	68	D_DOUT (4)	Back CIS CH9-16 digital data [4]
69	69	D_DOUT (5)	Back CIS CH9-16 digital data [5]
70	70	D_DOUT (6)	Back CIS CH9-16 digital data [6]
71	71	D_DOUT (7)	Back CIS CH9-16 digital data [7]
72	72	GND	Ground
73	73	D_DOUT (8)	Back CIS CH9-16 digital data [8]
74	74	D_DOUT (9)	Back CIS CH9-16 digital data [9]
75	75	GND	Ground
76	76 77	N.C.	Not used
77	77	+3VD	+3.3 V
78	78	+3VD	+3.3 V
79	79	MCLK_F	Front ADC master clock (20 MHz)
80	80	CLPIN_F	Front ADC sample/hold clamp pulse
81	81	BOS_F	Front ADC Begining of scan pulse
82	82	GND	Ground
83	83	MCLK_R	Back ADC master clock (20 MHz)
84	84	CLPIN_R	Back ADC sample/hold clamp pulse
85	85	BOS_R	Back ADC Begining of scan pulse
86	86	GND	Ground
87	87	+3VD	+3.3 V
88 89	88 89	+3VD CPU D (8)	+3.3 V
90	90	CPU D (9)	CPU data [8] CPU data [9]
91	91	CPU D (10)	CPU data [10]
92	92	CPU D (11)	CPU data [11]
93	93	CPU D (12)	CPU data [12]
94	94	CPU D (13)	CPU data [13]
95	95	CPU D (14)	CPU data [14]
96	96	CPU D (15)	CPU data [15]
97	97	GND	Ground
98	98	GND	Ground
99	99	CPU A (0)	CPU address [0]
100	100	CPU A (1)	CPU address [1]
101	101	CPU A (2)	CPU address [2]
102	102	CPU A (3)	CPU address [3]
103	103	CPU A (4)	CPU address [4]
104	104	CPU A (5)	CPU address [5]
105	105	CPU A (6)	CPU address [6]
106	106	CPU A (7)	CPU address [7]
107	107	CPU A (8)	CPU address [8]
108	108	CPU A (9)	CPU address [9]
109	109	Res (CPU A10)	Reserve (CPU address [10])
110	110	Res (CPU A11)	Reserve (CPU address [11])
111	111	+3VD	+3.3 V
112	112	+3VD	+3.3 V
113	113	*HWR	CPU high bite write strobe
114	114	*LWR	CPU low bite write strobe
115	115	*RD	CPU read strobe
116	116	*AS	CPU address strobe
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Pin No.		Signal Name	Description
CN1000	CN2000		
117	117	GND	Ground
118	118	GND	Ground
119	119	*CS3	CPU area 3 chip select
120	120	*CS4	CPU area 4 chip select
121	121	*CS5SPC	SCSI chip select
122	122	*CSUSB	USB chip select
123	123	*IF _RD	INTERFACE Board version & SCSI-ID read
124	124	*TRMPWR	SCSI terminator power switch
125	125	R_MCLK	Carriage motor clock
126	126	C_MCLK	Conveyor motor clock
127	127	LED CLK	LED data control clock
128	128	LED DATA	LED data
129	129	*WAIT	CPU wait signal
130	130	GND	Ground
131	131	*INT0	CPU interrupt 0 (USB)
132	132	*INT1	CPU interrupt 1 (USB)
133	133	*INT3	CPU interrupt 3 (Front GA-SENSOR)
134	134	*INT4	CPU interrupt 4 (Back GA-SENSOR)
135	135	*INT5	CPU interrupt 5 (GA-IMAGE)
136	136	*RESET	System reset
137	137	TXD0	Serial interface TXD 0
138	138	RXD0	Serial interface RXD 0
139	139	GND	Ground
140	140	GND	Ground

CN1001 [CONTROL Board] - CN3004 [CIS RELAY Board] Signal Name Pin No. CN1001 CN3004 GND 26 Ground 1 2 **OS16** Back CIS CH16 output 25

3	24	GND	Ground
4	23	OS15	Back CIS CH15 output
5	22	GND	Ground
6	21	OS14	Back CIS CH14 output

21 OS14 20 **GND** 19 **OS13**

18 **GND** 17 **OS12** 16 **GND** 15 **OS11**

14 **GND** 13 OS10

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CN1002

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Pin No.

CN3005

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12 11

10 9 8

OS9 OS8 7 OS7 6

GND GND 5 OS6 **GND** 4

3 OS5

OS4

OS3

GND

OS₂

GND

OS1

GND

*DUPLEX

A4/*A3

PHI_ICG

PHI ST

PHI_SH

PHI_CP-

PHI CP+

PHI_RS-

PHI_RS+

PHI_M-

PHI_M+

+12V_2

+12V 2

GND

5VP

5VP

GND

GND

2 **GND**

GND

GND

Signal Name

Ground Back CIS CH10 output Ground Ground

Ground

Ground

Ground

Ground

Ground

Ground

Ground

Ground

+5 V

+5 V

+12 V

+12 V

Back CIS exist

CIS size A4 or A3

Back CIS ICG pulse

Back CIS shift pulse

Back CIS storage pulse

Back CIS clamp pulse LVDS (-)

Back CIS clamp pulse LVDS (+) Back CIS reset pulse LVDS (-)

Back CIS reset pulse LVDS (+)

Back CIS clock LVDS (-) (5 MHz)

Back CIS clock LVDS (+) (5 MHz)

Ground

Ground

Ground

Back CIS CH13 output

Back CIS CH12 output

Back CIS CH11 output

Ground

Back CIS CH5 output

Back CIS CH4 output

Back CIS CH2 output

Back CIS CH1 output

Back CIS CH9 output Back CIS CH8 output Back CIS CH7 output Back CIS CH6 output Ground

Description

Description

CN1002 [CONTROL Board] - CN3005 [CIS RELAY Board] Back CIS CH3 output

CN1006 [CONTROL Board] - CN4007 [DRIVE Board] Pin No. Signal Name Description CN1006 CN4007 24VIL +24 V (interlock switch) 1 1 2 2 PGND Ground +24V 3 3 +24 V 4 4 +14V +14 V GND 5 5 Ground 6 6 +5V +5 V 7 7 +5V +5 V 8 8 **GND** Ground 9 9 GND Ground 10 10 +3V +3.3 V +3V +3.3 V 11 11 12 12 GND Ground 13 13 GND Ground CN1007 [CONTROL Board] - CN4001 [DRIVE Board] Pin No. Signal Name Description CN1007 CN4001 36 12V OVP1 +12 V 1 2 35 12V OVP2 +12 V 3 34 DOOR1 ADF door switch (H: Door open) 4 33 DOOR2 (N.C.) Not used 5 32 (N.C.) Not used 6 31 BLAMP_ON Back lamp on DRIVE Board version [0] 7 30 DRV VER0 8 29 DRV VER1 DRIVE Board version [1] 9 28 Fan error **FANERR** 10 27 *SLEEP1 Sleep signal 1 11 26 *SLEEP3 Sleep signal 2 25 12 F M1 Feed motor mode [1] 13 F_M2 24 Feed motor mode [2] 14 23 F M3 Feed motor mode [3] 15 F CW 22 Feed motor CW/CCW 16 21 F ENABLE Feed motor enable 17 20 F_MCLK Feed motor clock F MVRE 18 19 Feed motor current control 19 18 **GND** Ground 20 17 C_M1 Conveyor motor mode [1] 21 16 C M2 Conveyor motor mode [2] 22 15 С М3 Conveyor motor mode [3] 23 C CW 14 Conveyor motor CW/CCW 13 24 C ENABLE Conveyor motor enable 25 12 C_MCLK Conveyor motor clock C MVRE 26 11 Conveyor motor current control 27 10 **GND** Ground 28 9 R_{M1} Carriage motor mode [1] 29 8 R_{M2} Carriage motor mode [2] 30 7 R M3 Carriage motor mode [3] 6 R_CW 31 Carriage motor CW/CCW 32 5 R ENABLE Carriage motor enable 33 4 R_MCLK Carriage motor clock 3 34 R MVRE Carriage motor current control 35 2 **GND** Ground 36 1 *RESET3 System reset

CN1008 [CONTROL Board] - CN4002 [DRIVE Board] Pin No. Signal Name Description CN4002 CN1008 FB_COVER Flatbed cover detect 1 14 GND 2 13 Ground 3 12 12V_1 +12 V 4 11 5V P +5 V 5 10 *KEY1 Key input 6 9 *LED RED LED (Red) enable 7 8 *LED GRN LED (Green) enable 8 7 **BUZZER** Buzzer 9 6 FBSIZE1 (N.C) Not used 10 5 FBSIZE2 (N.C) Not used 11 4 FBSIZE3 (N.C) Not used 3 12 FBSIZE4 (N.C) Not used 2 13 FBSIZE5 (N.C) Not used 14 1 FBSIZE6 (N.C) Not used

Description

Paper sensor (L: Paper exist)

Size detector 5 (H: Interception)

Size detector 4 (H: Interception)

Size detector 3 (H: Interception)

Retard release detector

Starting sensor (H: Paper exist)

Skew left sensor (H: Paper exist)

Hopper home detector

+24 V (Interlock switch)

Double feed detector gain

Carriage home detector

+5 V

+5 V

+5 V

Ground

Ground

5 PSIZE2 18 Size detector 2 (H: Interception) 6 17 PSIZE1 Size detector 1 (H: Interception) 7 16 5VSLP +5 V

Signal Name

CN1009 [CONTROL Board] - CN5022 [SENSOR RELAY Board]

*PEXIST

PSIZE5

PSIZE4

PSIZE3

5VSLP

GND

GND

PHEAD

SKEWL

24VIL

5VSI P

JSGAIN1

CRHOME

5VSLP

RETARD REL

HOPPER_HOME

Pin No.

CN5022 22

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CN1009

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15	8	SKEWR	Skew right sensor (H: Paper exist)
16	7	PEXIT	Ending sensor (H: Paper exist)

10		000711111	Boable lood detector gain
20	3	JS_CLK	Double feed detector clock
21	2	GND	Ground

GND Ground 22 1

CN1010 [CONTROL Board] - CN5035 [CARRIAGE HOME DETECTOR Board]

Pin No. Signal Name Description

CN1010 CN5035 1 **GND** Ground

CN1003 [CONTROL Board] - CN3001 [CARRIAGE RELAY Board] Signal Name Pin No. CN3001 CN1003 GND Ground 32 OS16 2 31 Front CIS CH16 output 3 GND 30 Ground

OS2

GND

OS1

3

2

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4	29	OS15	Front CIS CH15 output
5	28	GND	Ground
6	27	OS14	Front CIS CH14 output
7	26	GND	Ground
8	25	OS13	Front CIS CH13 output
9	24	GND	Ground
10	23	OS12	Front CIS CH12 output
11	22	GND	Ground
12	21	OS11	Front CIS CH11 output

Description

12	21	OS11	Front CIS CH11 output
13	20	GND	Ground
14	19	OS10	Front CIS CH10 output
15	18	GND	Ground
16	17	OS9	Front CIS CH9 output
17	16	GND	Ground
18	15	OS8	Front CIS CH8 output
19	14	GND	Ground

16	17	OS9	Front CIS CH9 output
17	16	GND	Ground
18	15	OS8	Front CIS CH8 output
19	14	GND	Ground
20	13	OS7	Front CIS CH7 output
21	12	GND	Ground
22	11	OS6	Front CIS CH6 output
23	10	GND	Ground
24	9	OS5	Front CIS CH5 output

21	12	GND	Ground
22	11	OS6	Front CIS CH6 output
23	10	GND	Ground
24	9	OS5	Front CIS CH5 output
25	8	GND	Ground
26	7	OS4	Front CIS CH4 output
27	6	GND	Ground

25	8	GND	Ground
26	7	OS4	Front CIS CH4 output
27	6	GND	Ground
28	5	OS3	Front CIS CH3 output
29	4	GND	Ground

Front CIS CH2 output

Front CIS CH1 output

Ground

CN1015 [CONTROL Board] - CN3002 [CARRIAGE RELAY Board] Pin No. Signal Name

Pin No.		Signal Name	Description
CN1015	CN3002		
1	22	PHI_ICG	Front CIS ICG pulse
2	21	GND	Ground
3	20	PHI_ST	Front CIS storage pulse
4	19	GND	Ground
5	18	PHI_SH	Front CIS shift pulse
6	17	GND	Ground
7	16	PHI_CP-	Front CIS clamp pulse LVDS (-)
8	15	PHI_CP+	Front CIS clamp pulse LVDS (+)
9	14	PHI_RS-	Front CIS reset pulse LVDS (-)
10	13	PHI_RS+	Front CIS reset pulse LVDS (+)
11	12	PHI_M-	Front CIS clock LVDS (-) (5 MHz)
12	11	PHI_M+	Front CIS clock LVDS (+) (5 MHz)
13	10	GND	Ground
14	9	5VP	+5 V
15	8	5VP	+5 V
16	7	12V_1	+12 V
17	6	12V_1	+12 V
18	5	PGND	Ground
19	4	PGND	Ground
20	3	+24V	+24 V
21	2	+24V	+24 V
22	1	FLAMP_ON5	Front lamp switch

CN1014 [CONTROL Board] - CN5004 [OUTER CONVEYOR RELAY Board] Pin No. Signal Name Description

JS_GAIN2

GND

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CN1014	CN5004		
1	30	+3V	+3.3 V
2	29	GND	Ground
3	28	IPD (15)	CPU data for imprinter [15]
4	27	IPD (14)	CPU data for imprinter [14]
5	26	IPD (13)	CPU data for imprinter [13]
6	25	IPD (12)	CPU data for imprinter [12]
7	24	IPD (11)	CPU data for imprinter [11]
8	23	IPD (10)	CPU data for imprinter [10]
9	22	IPD (9)	CPU data for imprinter [9]
10	21	IPD (8)	CPU data for imprinter [8]
11	20	IPADR (0)	CPU address for imprinter [0]
12	19	*IP_HWR	CPU write signal for imprinter
13	18	IMPCLK	Imprinter clock
14	17	*CSIMPR1	Imprnter chip select
15	16	*IP_RD	CPU read signal for imprinter
16	15	*RESET	System reset
17	14	GND	Ground
18	13	24VIL	+24 V (Interlock switch)
19	12	GND	Ground
20	11	5VSLP	+5 V
21	10	5VSLP	+5 V
22	9	STBY	Waiting sensor
23	8	HOPPER_POS (N.C.)	Not used
24	7	GND	Ground
25	6	GND	Ground
26	5	BKDOOR (N.C.)	Not used
27	4	12V_2	+12 V
28	3	JS_DATA	Double feed detector

Not used

Ground

Pin No.	CN2007 [INTERFACE Board]: DIMM		
2		1	Description
3	1	VSS	Ground
SDRAM data [2]	2		
SDRAM data [3]			
6 VDD			
7			
B			
9 DO6 SDRAM data [6] 10 DO7 SDRAM data [7] 111 DO8 SDRAM data [7] 112 VSS Ground 12 VSS Ground 13 DO9 SDRAM data [9] 14 DO10 SDRAM data [10] 15 DO11 SDRAM data [11] 16 DO12 SDRAM data [11] 17 DO13 SDRAM data [12] 17 DO13 SDRAM data [12] 17 DO13 SDRAM data [13] 18 VDD 4-3.3 V 19 DO14 SDRAM data [15] 20 DO15 SDRAM data [15] 21 CB0 (N.C.) Not used 22 CB1 (N.C.) Not used 23 VSS Ground 24 N.C. Not used 25 N.C. Not used 26 VDD 4-3.3 V 27 'WE DIMM write enable 28 DOMB0 Byte data mask 1 29 DOMB1 Byte data mask 1 30 CS0 Chip select 0 31 DNU (N.C.) Not used 32 VSS Ground 33 A0 SDRAM data [14] 30 DNU (N.C.) Not used 32 VSS Ground 33 A0 SDRAM data [16] 34 A2 SDRAM data [16] 35 A4 SDRAM address [1] 36 A6 SDRAM address [1] 37 A8 SDRAM address [1] 38 A10 SDRAM address [1] 39 BA1 Bank select address [1] 39 BA1 Bank select address [1] 30 SDRAM address [1] 31 DNU (N.C.) Not used 32 SDRAM data [14] 33 BA1 Bank select address [1] 34 A2 SDRAM address [2] 35 A4 SDRAM address [6] 37 A8 SDRAM address [6] 38 A10 SDRAM address [1] 39 BA1 Bank select address [1] 40 VDD 4-3.3 V 41 VDD 4-3.3 V 42 CLKO Clock input 0 45 CS2 Chip select 2 46 DOMB2 Byte data mask 2 47 DOMB3 Byte data mask 2 48 DNU (N.C.) Not used 49 VDD 4-3.3 V 41 VDD 4-3.3 V 42 CLKO Clock input 0 45 CS2 Chip select 2 46 DOMB2 Byte data mask 2 47 DOMB3 Byte data mask 2 48 DNU (N.C.) Not used 49 VDD 4-3.3 V 40 VDD 4-3.3 V 41 VDD 4-3.3 V 42 CLKO Clock input 0 45 CS2 Chip select 2 46 DOMB2 Byte data mask 2 47 DOMB3 Byte data mask 2 48 DNU (N.C.) Not used 49 VDD 4-3.3 V 55 Ground 56 DNU csed 57 CS2 Chip select 2 58 DOMB Byte data mask 2 59 CB2 Not used 59 CB3 Not used 50 CB3 Not used 50 CB3 Not used 50 CD7 SDRAM data [16]			
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23	22		
24			Ground
26	24	N.C.	
27	25	N.C.	Not used
28 DQMB0 Byte data mask 0 29 DQMB1 Byte data mask 1 30 *CS0 Chip select 0 31 DNU (N.C.) Not used 32 VSS Ground 33 A0 SDRAM address [0] 34 A2 SDRAM address [2] 35 A4 SDRAM address [4] 36 A6 SDRAM address [6] 37 A8 SDRAM address [10] 38 A10 SDRAM address [10] 39 BA1 Bank select address 1 40 VDD +3.3 V 41 VDD +3.3 V 42 CLKO Clock input 0 43 VSS Ground 44 DNU (N.C.) Not used 45 *CS2 Chip select 2 46 DQMB2 Byte data mask 2 47 DQMB3 Byte data mask 3 48 DNU (N.C.) Not used 50 N.C. Not used	26	VDD	+3.3 V
DQMB1	27	*WE	DIMM write enable
30 CS0	28	DQMB0	Byte data mask 0
31	29		Byte data mask 1
32			
33			
34			
35			
36 A6 SDRAM address [6] 37 A8 SDRAM address [8] 38 A10 SDRAM address [10] 39 BA1 Bank select address 1 40 VDD +3.3 V 41 VDD +3.3 V 42 CLK0 Clock input 0 43 VSS Ground 44 DNU (N.C.) Not used 45 *CS2 Chip select 2 46 DQMB2 Byte data mask 2 47 DQMB3 Byte data mask 3 48 DNU (N.C.) Not used 49 VDD +3.3 V 50 N.C. Not used 51 N.C. Not used 52 CB2 Not used 53 CB3 Not used 54 VSS Ground 55 DQ16 SDRAM data [16]			
37			
38 A10 SDRAM address [10] 39 BA1 Bank select address 1 40 VDD +3.3 V 41 VDD +3.3 V 42 CLK0 Clock input 0 43 VSS Ground 44 DNU (N.C.) Not used 45 *CS2 Chip select 2 46 DQMB2 Byte data mask 2 47 DQMB3 Byte data mask 3 48 DNU (N.C.) Not used 49 VDD +3.3 V 50 N.C. Not used 51 N.C. Not used 52 CB2 Not used 53 CB3 Not used 54 VSS Ground 55 DQ16 SDRAM data [16]			• •
Bah Bah Bah Bah Select address 1			
40			
41 VDD +3.3 V 42 CLK0 Clock input 0 43 VSS Ground 44 DNU (N.C.) Not used 45 *CS2 Chip select 2 46 DQMB2 Byte data mask 2 47 DQMB3 Byte data mask 3 48 DNU (N.C.) Not used 49 VDD +3.3 V 50 N.C. Not used 51 N.C. Not used 52 CB2 Not used 53 CB3 Not used 54 VSS Ground 55 DQ16 SDRAM data [16]			
42 CLK0 Clock input 0 43 VSS Ground 44 DNU (N.C.) Not used 45 *CS2 Chip select 2 46 DQMB2 Byte data mask 2 47 DQMB3 Byte data mask 3 48 DNU (N.C.) Not used 49 VDD +3.3 V 50 N.C. Not used 51 N.C. Not used 52 CB2 Not used 53 CB3 Not used 54 VSS Ground 55 DQ16 SDRAM data [16]			
43 VSS Ground 44 DNU (N.C.) Not used 45 *CS2 Chip select 2 46 DQMB2 Byte data mask 2 47 DQMB3 Byte data mask 3 48 DNU (N.C.) Not used 49 VDD +3.3 V 50 N.C. Not used 51 N.C. Not used 52 CB2 Not used 53 CB3 Not used 54 VSS Ground 55 DQ16 SDRAM data [16]			
44 DNU (N.C.) Not used 45 *CS2 Chip select 2 46 DQMB2 Byte data mask 2 47 DQMB3 Byte data mask 3 48 DNU (N.C.) Not used 49 VDD +3.3 V 50 N.C. Not used 51 N.C. Not used 52 CB2 Not used 53 CB3 Not used 54 VSS Ground 55 DQ16 SDRAM data [16]			·
45 *CS2 Chip select 2 46 DQMB2 Byte data mask 2 47 DQMB3 Byte data mask 3 48 DNU (N.C.) Not used 49 VDD +3.3 V 50 N.C. Not used 51 N.C. Not used 52 CB2 Not used 53 CB3 Not used 54 VSS Ground 55 DQ16 SDRAM data [16]			
46 DQMB2 Byte data mask 2 47 DQMB3 Byte data mask 3 48 DNU (N.C.) Not used 49 VDD +3.3 V 50 N.C. Not used 51 N.C. Not used 52 CB2 Not used 53 CB3 Not used 54 VSS Ground 55 DQ16 SDRAM data [16]			
47 DQMB3 Byte data mask 3 48 DNU (N.C.) Not used 49 VDD +3.3 V 50 N.C. Not used 51 N.C. Not used 52 CB2 Not used 53 CB3 Not used 54 VSS Ground 55 DQ16 SDRAM data [16]			
48 DNU (N.C.) Not used 49 VDD +3.3 V 50 N.C. Not used 51 N.C. Not used 52 CB2 Not used 53 CB3 Not used 54 VSS Ground 55 DQ16 SDRAM data [16]			·
49 VDD +3.3 V 50 N.C. Not used 51 N.C. Not used 52 CB2 Not used 53 CB3 Not used 54 VSS Ground 55 DQ16 SDRAM data [16]			
50 N.C. Not used 51 N.C. Not used 52 CB2 Not used 53 CB3 Not used 54 VSS Ground 55 DQ16 SDRAM data [16]			
51 N.C. Not used 52 CB2 Not used 53 CB3 Not used 54 VSS Ground 55 DQ16 SDRAM data [16]			
52 CB2 Not used 53 CB3 Not used 54 VSS Ground 55 DQ16 SDRAM data [16]			
53 CB3 Not used 54 VSS Ground 55 DQ16 SDRAM data [16]			
55 DQ16 SDRAM data [16]			Not used
	54	VSS	Ground
56 DQ17 SDRAM data [17]			SDRAM data [16]
	56	DQ17	SDRAM data [17]

Pin No.	Signal Name	Description
57	DQ18	SDRAM data [18]
58	DQ19	SDRAM data [19]
59	VDD	+3.3 V
60	DQ20	SDRAM data [20]
61	N.C.	Not used
62	N.C.	Not used
63	CKE1	Clock enable
64	VSS	Ground
65	DQ21	SDRAM data [21]
66	DQ22	SDRAM data [22]
67	DQ23	SDRAM data [23]
68	VSS	Ground
69	DQ24	SDRAM data [24]
70	DQ25	SDRAM data [25]
71	DQ26	SDRAM data [26]
72	DQ27	SDRAM data [27]
73	VDD	+3.3 V
74	DQ28	SDRAM data [28]
75	DQ29	SDRAM data [29]
76	DQ30	SDRAM data [30]
77	DQ31	SDRAM data [31]
78	VSS	Ground
79	CLK2	Clock input 2
80	N.C.	Not used
81	WP (N.C.)	Not used
82	SDA	Data input/output for serial presence detect
83	SCL	Clock input for serial presence detect
84	VDD	+3.3 V
85	VSS	Ground
86	DQ32	SDRAM data [32]
87	DQ33	SDRAM data [33]
88	DQ34	SDRAM data [34]
89	DQ35	SDRAM data [35]
90	VDD	+3.3 V
91	DQ36	SDRAM data [36]
92	DQ37	SDRAM data [37]
93	DQ38	SDRAM data [38]
94	DQ39	SDRAM data [39]
95	DQ40	SDRAM data [40]
96	VSS	Ground
97	DQ41	SDRAM data [41]
98	DQ42	SDRAM data [42]
99	DQ43	SDRAM data [43]
100	DQ44	SDRAM data [44]
101	DQ45	SDRAM data [45]
102	VDD	+3.3 V
103	DQ46	SDRAM data [46]
104	DQ47	SDRAM data [47]
105	CB4 (N.C.)	Not used
106	CB5 (N.C.)	Not used
107	VSS	Ground
108	N.C.	Not used
109	N.C.	Not used
110	VDD	+3.3 V
111	*CAS	Column address strobe
112	DQMB4	Byte data mask 4

Pin No.	Signal Name	Description
113	DQMB5	Byte data mask 5
114	*CS1	Chip select 1
115	*RAS	Row address strobe
116	VSS	Ground
117	A1	SDRAM address [1]
118	A3	SDRAM address [3]
119	A5	SDRAM address [5]
120	A7	SDRAM address [7]
121	A9	SDRAM address [9]
122	BA0	Bank select address 0
123	A11	SDRAM address [11]
124	VDD	+3.3 V
125	CK1	Clock input 1
126	A12	SDRAM address [12]
127	vss	Ground
128	CKE0	Clock enable 0
129	*CS3	Chip select 3
130	DQMB6	Byte data mask 6
131	DQMB7	Byte data mask 7
132	A13	SDRAM address [13]
133	VDD	+3.3 V
134	N.C.	Not used
135	N.C.	Not used
136	CB6	Not used
137	CB7	Not used
138	VSS	Ground
139	DQ48	SDRAM data [48]
140	DQ49	SDRAM data [49]
141	DQ50	SDRAM data [50]
142	DQ51	SDRAM data [51]
143	VDD	+3.3 V
144	DQ52	SDRAM data [52]
145	N.C.	Not used
146	N.C.	Not used
147	REGE (N.C.)	Not used
148	VSS	Ground
149	DQ53	SDRAM data [53]
150	DQ54	SDRAM data [54]
151	DQ55	SDRAM data [55]
152	VSS	Ground Ground
153	DQ56	SDRAM data (56)
154	DQ57	SDRAM data [57]
155	DQ58	SDRAM data [57]
156	DQ59	SDRAM data [59]
157	VDD	+3.3 V
157	DQ60	SDRAM data [60]
159	DQ61	SDRAM data [60]
160	DQ62	SDRAM data [61]
161	DQ63	SDRAM data [62]
162	VSS	Ground Ground
163	CK3	Clock input 3
163	N.C.	Not used
165	SA0	Address [0] input for EEPROM
166	SA1	
		Address [1] input for EEPROM
167	SA2	Address [2] input for EEPROM
168	VDD	+3.3 V

CN2008 [INTERFACE Board]: SCSI Interface Pin No. Signal Name Description GND Ground 2 **GND** Ground 3 GND Ground 4 **GND** Ground 5 **GND** Ground 6 **GND** Ground 7 **GND** Ground 8 **GND** Ground 9 **GND** Ground 10 **GND** Ground 11 **GND** Ground N.C. 12 Not used N.C. 13 Not used 14 N.C. Not used 15 GND Ground GND Ground 16 17 **GND** Ground 18 GND Ground GND Ground 19 GND Ground 20 GND Ground 21 22 **GND** Ground 23 **GND** Ground 24 **GND** Ground 25 **GND** Ground 26 DB (0) SCSI data [0] 27 DB (1) SCSI data [1]

SCSI data [2]

SCSI data [3]

SCSI data [4]

SCSI data [5]

SCSI data [6]

SCSI data [7]

Ground Ground

Not used

Not used

Ground

Ground

SCSI data parity

Terminator power

SCSI control signal (Attention)

SCSI control signal (Busy)
SCSI control signal (Acknowledge)

SCSI control signal (Reset)

SCSI control signal (Select)

SCSI control signal (Message)

SCSI control signal (Request)

USB bus detect signal

USB data -

USB data +

Ground

SCSI control signal (Control/Data)

SCSI control signal (Input/Output)

Description

37 N.C. 38 TERM_ POWER 39 N.C. 40 GND

CN2009 [INTERFACE Board]: USB Interface

DB (2)

DB (3)

DB (4)

DB (5)

DB (6)

DB (7)

*DBP

GND

GND

*ATN

GND

*BSY

*ACK

*RST

*MSG

*SEL

*C/D

*REQ

VBUS

DM

DP

GND

Signal Name

*I/O

28

29

30

31

32

33

34

35

36

41 42

43

44

45

46

47

48

49 50

Pin No.

1 2

3

4

CN3003 [CARRIAGE RELAY Board] - CIS (Front) Signal Name Pin No. Description CN3003 CIS (Front) 1 **GND** Ground OS16 2 Front CIS CH16 output OS15 Front CIS CH15 output 3 4 GND Ground 5 **OS14** Front CIS CH14 output OS13 Front CIS CH13 output 6 7 GND Ground 8 **OS12** Front CIS CH12 output 9 **OS11** Front CIS CH11 output 10 **GND** Ground 11 OS10 Front CIS CH10 output 12 OS9 Front CIS CH9 output 13 **GND** Ground Front CIS CH8 output 14 OS8 15 OS7 Front CIS CH7 output 16 GND Ground 17 OS6 Front CIS CH6 output OS5 Front CIS CH5 output 18 19 GND Ground 20 OS4 Front CIS CH4 output OS3 21 Front CIS CH3 output 22 **GND** Ground OS2 23 Front CIS CH2 output 24 OS₁ Front CIS CH1 output 25 **GND** Ground 26 PHI ICG Front CIS ICG pulse 27 PHI_ST Front CIS storage pulse 28 PHI SH Front CIS shift pulse 29 **GND** Ground 30 PHI_CP-Front CIS clamp pulse LVDS (-) PHI CP+ Front CIS clamp pulse LVDS (+) 31 32 PHI RS-Front CIS reset pulse LVDS (-) 33 PHI RS+ Front CIS reset pulse LVDS (+) 34 PHI_M-Front CIS clock LVDS (-) (5 MHz) 35 PHI M+ Front CIS clock LVDS (+) (5 MHz) 36 **GND** Ground +5 V 37 5VP +5 V 5VP 38 39 12V_1 +12 V 12V_1 40 +12 V CN3000 [CARRIAGE RELAY Board] - Lamp Drive Board (for front side) Signal Name Pin No. Description CN3000 **Lamp Drive** +24V +24 V 1 Front lamp switch (H: Lamp ON) 2 FLAMP_ON5

Ground

3

GND

CN3006 [CIS RELAY Board] - CIS (Back)			
Pin	No.	Signal Name	Description
CN3006	CIS (Back)	7	
1	-	12V_2	+12 V
2	-	12V_2	+12 V
3	-	5VP	+5 V
4	-	5VP	+5 V
5	-	GND	Ground
6	-	PHI_M+	Back CIS clock LVDS (+) (5 MHz)
7	-	PHI_M-	Back CIS clock LVDS (-) (5 MHz)
8	-	PHI_RS+	Back CIS reset pulse LVDS (+)
9	-	PHI_RS-	Back CIS reset pulse LVDS (-)
10	-	PHI_CP+	Back CIS clamp pulse LVDS (+)
11	-	PHI_CP-	Back CIS clamp pulse LVDS (-)
12	-	GND	Ground
13	-	PHI_SH	Back CIS shift pulse
14	-	PHI_ST	Back CIS storage
15	-	PHI_ICG	Back CIS ICG pulse
16	-	GND	Ground
17	-	OS1	Back CIS CH1 output
18	-	OS2	Back CIS CH2 output
19	-	GND	Ground
20	-	OS3	Back CIS CH3 output
21	-	OS4	Back CIS CH4 output
22	-	GND	Ground
23	-	OS5	Back CIS CH5 output
24	-	OS6	Back CIS CH6 output
25	-	GND	Ground
26	-	OS7	Back CIS CH7 output
27	-	OS8	Back CIS CH8 output
28	-	GND	Ground
29	-	OS9	Back CIS CH9 output
30	-	OS10	Back CIS CH10 output
31	-	GND	Ground
32	-	OS11	Back CIS CH11 output
33	-	OS12	Back CIS CH12 output
34	-	GND	Ground
35	-	OS13	Back CIS CH13 output
36	-	OS14	Back CIS CH14 output
37	-	GND	Ground
38	-	OS15	Back CIS CH15 output
39	-	OS16	Back CIS CH16 output
40	-	GND	Ground
CN5029 [POWER RELAY Board] - Lamp Drive Board (for back side)			
Pin		Signal Name	Description
CN5029	Lamp Drive		
1	-	24VIL	+24 V (Interlock switch)
2	-	BLAMP_ON5	Back lamp switch (H: Lamp ON)
3	-	GND	Ground

CN4004 [DRIVE Board] - CN5023 [PANEL Board] Signal Name Pin No. Description CN4004 CN5023 1 **BUZZER** Buzzer 1 2 2 GRN LED LED (Green) enable (L: LED lighting) LED (Red) enable (L: LED lighting) 3 3 RED_LED KEY1 Key input (L: Key push) 4 4 5VP 5 5 +5 V 6 12V 1 +12 V 6 7 7 GND Ground 8 8 **GND** Ground CN4010 [DRIVE Board] - Carriage Motor Pin No. Signal Name Description CN4010 **Carriage Motor** *RA Carriage motor phase (A-) 2 N.C. Not used 3 **RCOMA** +24 V (Fuse) 4 Carriage motor phase (A+) RA *RB Carriage motor phase (B-) 5 6 **RCOMB** +24 V (Fuse) 7 RB Carriage motor phase (B+) 8 N.C. Not used CN4008 [DRIVE Board] - CN5025 [POWER RELAY Board] Pin No. Signal Name Description CN5025 CN4008 **GND** Ground 1 1 2 BLAMP ŌN5 Back lamp switch 2 3 3 *CA Conveyor Motor phase (A-) 4 4 CCOMA_MB +24 V (Interlock switch and Fuse) 5 5 CA Conveyor Motor phase (A+) *CB 6 6 Conveyor motor phase (B-) 7 7 CCOMA_MB +24 V (interlock switch and Fuse) 8 8 CB Conveyor motor phase (B+) 9 9 *FA Feed motor phase (A-) +24 V (interlock switch and Fuse) 10 10 FCOMA MB 11 11 lFΑ Feed motor phase (A+) *FB Feed motor phase (B-) 12 12 13 13 FCOMA MB +24 V (interlock switch and Fuse) 14 14 lFΒ Feed motor phase (B+) CN4005 [DRIVE Board] - CN5036 [POWER RELAY Board] Pin No. Signal Name Description CN4005 CN5036 24V +24 V 2 2 24VIL +24 V (Interlock switch) CN5034 [DOCUMENT COVER DETECTOR Board] - CN4017 [DRIVE Board]

Signal Name

Ground

+5 V

+5 V

Flatbed cover detect (L: Cover open)

Description

Pin No.

CN4017

1

2

3

4

GND

5VP

5VP

FB COVER

CN5034

1

2

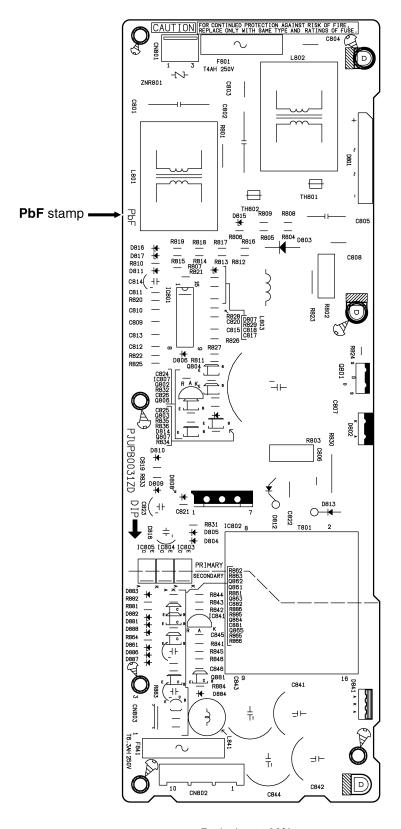
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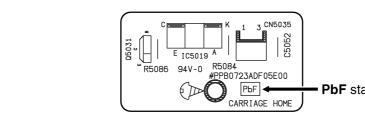
CN801 [POWER	R Board] - Inlet		
Pin	No.	Signal Name	Description
CN801	Inlet	1	
1	-	NEUTRAL	Neutral
2	-	N.C.	Not used
3	-	LIVE	Live
_		003 [DRIVE Board]	D
CN802	No. CN4003	Signal Name	Description
1	1	OVP+	Over voltage protect
2	2	P_FANERR (N.C.)	Not used
3	3	GND	Ground
4	4	GND	Ground
5	5	GND	Ground
6	6	+24VPWR	+24 V
7	7	+24VPWR	+24 V
8	8	+24VPWR	+24 V
9	9	*SLEEP_PWR	Sleep POWER (L: Sleep mode)
10	10	OVP-	Over Voltage Protect
	10	OVF-	Over voltage Protect
CN803 [POWER	R Board] - FAN		
-	No.	Signal Name	Description
CN803	FAN		
1	-	FAN+	Fan plus power (+24 V)
2	-	N.C.	Not used
3	-	FAN-	Fan minus power
CN5028 [POWER RELAY Board] - Door Switch			
		+	
Pin	No.	rd] - Door Switch Signal Name	Description
Pin CN5028		Signal Name	·
Pin CN5028	No.	Signal Name	+24 V (Interlock switch: +24 V IN)
Pin CN5028 1 2	No. Door Switch	Signal Name 24V 24VDOOR	+24 V (Interlock switch: +24 V IN) +24 V (Interlock switch)
Pin CN5028 1 2 3	No. Door Switch - - -	Signal Name 24V 24VDOOR 24VDOOR	+24 V (Interlock switch: +24 V IN) +24 V (Interlock switch) +24 V (Interlock switch)
Pin CN5028 1 2	No. Door Switch	Signal Name 24V 24VDOOR	+24 V (Interlock switch: +24 V IN) +24 V (Interlock switch)
Pin CN5028 1 2 3 4 CN5031 [POWE	No. Door Switch	Signal Name 24V 24VDOOR 24VDOOR	+24 V (Interlock switch: +24 V IN) +24 V (Interlock switch) +24 V (Interlock switch)
Pin CN5028 1 2 3 4 CN5031 [POWE	No. Door Switch	Signal Name 24V 24VDOOR 24VDOOR 24VDOOR 24VIL	+24 V (Interlock switch: +24 V IN) +24 V (Interlock switch) +24 V (Interlock switch) +24 V (Interlock switch: +24 V OUT)
Pin CN5028 1 2 3 4 CN5031 [POWE	No. Door Switch	Signal Name 24V 24VDOOR 24VDOOR 24VDOOR 24VIL	+24 V (Interlock switch: +24 V IN) +24 V (Interlock switch) +24 V (Interlock switch) +24 V (Interlock switch: +24 V OUT) Description
Pin CN5028 1 2 3 4 CN5031 [POWE Pin CN5031	No. Door Switch No. Conveyor Motor	Signal Name 24V 24VDOOR 24VDOOR 24VIL rd] - Conveyor Motor Signal Name	+24 V (Interlock switch: +24 V IN) +24 V (Interlock switch) +24 V (Interlock switch) +24 V (Interlock switch: +24 V OUT)
Pin CN5028 1 2 3 4 CN5031 [POWE Pin CN5031 1	No. Door Switch	Signal Name 24V 24VDOOR 24VDOOR 24VDOOR 24VIL rd] - Conveyor Motor Signal Name *CA	+24 V (Interlock switch: +24 V IN) +24 V (Interlock switch) +24 V (Interlock switch) +24 V (Interlock switch: +24 V OUT) Description Conveyor motor phase (A-)
Pin CN5028 1 2 3 4 CN5031 [POWE Pin CN5031 1 2	No. Door Switch	Signal Name 24V 24VDOOR 24VDOOR 24VDOOR 24VIL rd] - Conveyor Motor Signal Name *CA CCOMA	+24 V (Interlock switch: +24 V IN) +24 V (Interlock switch) +24 V (Interlock switch) +24 V (Interlock switch: +24 V OUT) Description Conveyor motor phase (A-) +24 V (interlock switch and Fuse) Conveyor motor phase (A+)
Pin CN5028 1 2 3 4 CN5031 [POWE Pin CN5031 1 2 3 3	No. Door Switch No. Conveyor Motor	Signal Name 24V 24VDOOR 24VDOOR 24VDOOR 24VIL rd] - Conveyor Motor Signal Name *CA CCOMA CA	+24 V (Interlock switch: +24 V IN) +24 V (Interlock switch) +24 V (Interlock switch) +24 V (Interlock switch: +24 V OUT) Description Conveyor motor phase (A-) +24 V (interlock switch and Fuse) Conveyor motor phase (A+) Conveyor motor phase (B-)
Pin CN5028 1 2 3 4 CN5031 [POWE Pin CN5031 1 2 3 4	No. Door Switch ER RELAY Boar No. Conveyor Motor	Signal Name 24V 24VDOOR 24VDOOR 24VIL rd] - Conveyor Motor Signal Name *CA CCOMA CA *CB	+24 V (Interlock switch: +24 V IN) +24 V (Interlock switch) +24 V (Interlock switch) +24 V (Interlock switch: +24 V OUT) Description Conveyor motor phase (A-) +24 V (interlock switch and Fuse) Conveyor motor phase (A+) Conveyor motor phase (B-) +24 V (interlock switch and Fuse)
Pin CN5028 1 2 3 4 CN5031 [POWE Pin CN5031 1 2 3 4 5	No. Door Switch ER RELAY Boar No. Conveyor Motor	Signal Name 24V 24VDOOR 24VDOOR 24VIL rd] - Conveyor Motor Signal Name *CA CCOMA CA *CB CCOMB	+24 V (Interlock switch: +24 V IN) +24 V (Interlock switch) +24 V (Interlock switch) +24 V (Interlock switch: +24 V OUT) Description Conveyor motor phase (A-) +24 V (interlock switch and Fuse) Conveyor motor phase (A+) Conveyor motor phase (B-)
Pin CN5028 1 2 3 4 CN5031 [POWE Pin CN5031 1 2 3 4 5 6 CN5032 [POWE	No. Door Switch	Signal Name 24V 24VDOOR 24VDOOR 24VDOOR 24VIL rd] - Conveyor Motor Signal Name *CA CCOMA CCA *CB CCOMB CB CCB rd] - Paper Feed Motor	+24 V (Interlock switch: +24 V IN) +24 V (Interlock switch) +24 V (Interlock switch) +24 V (Interlock switch: +24 V OUT) Description Conveyor motor phase (A-) +24 V (interlock switch and Fuse) Conveyor motor phase (A+) Conveyor motor phase (B-) +24 V (interlock switch and Fuse) Conveyor motor phase (B-) -24 V (interlock switch and Fuse) Conveyor motor phase (B+)
Pin CN5028 1 2 3 4	No. Door Switch	Signal Name 24V 24VDOOR 24VDOOR 24VDOOR 24VIL rd] - Conveyor Motor Signal Name *CA CCOMA CA *CB CCOMB CB rd] - Paper Feed Motor Signal Name	+24 V (Interlock switch: +24 V IN) +24 V (Interlock switch) +24 V (Interlock switch) +24 V (Interlock switch: +24 V OUT) Description Conveyor motor phase (A-) +24 V (interlock switch and Fuse) Conveyor motor phase (A+) Conveyor motor phase (B-) +24 V (interlock switch and Fuse)
Pin CN5028 1 2 3 4 CN5031 [POWE Pin CN5031 1 2 3 4 5 6 CN5032 [POWE Pin CN5032	No. Door Switch	Signal Name 24V 24VDOOR 24VDOOR 24VDOOR 24VIL rd] - Conveyor Motor Signal Name *CA CCOMA CA *CB CCOMB CB rd] - Paper Feed Motor Signal Name	+24 V (Interlock switch: +24 V IN) +24 V (Interlock switch) +24 V (Interlock switch) +24 V (Interlock switch: +24 V OUT) Description Conveyor motor phase (A-) +24 V (interlock switch and Fuse) Conveyor motor phase (A+) Conveyor motor phase (B-) +24 V (interlock switch and Fuse) Conveyor motor phase (B-) Conveyor motor phase (B-) +24 V (interlock switch and Fuse) Conveyor motor phase (B+)
Pin CN5028 1 2 3 4 CN5031 [POWE Pin CN5031 1 2 3 4 5 6 CN5032 [POWE Pin CN5032	No. Door Switch ER RELAY Boar No. Conveyor Motor	Signal Name 24V 24VDOOR 24VDOOR 24VDOOR 24VIL rd] - Conveyor Motor Signal Name *CA CCOMA CA *CB CCOMB CB rd] - Paper Feed Motor Signal Name *FA	+24 V (Interlock switch: +24 V IN) +24 V (Interlock switch) +24 V (Interlock switch) +24 V (Interlock switch: +24 V OUT) Description Conveyor motor phase (A-) +24 V (interlock switch and Fuse) Conveyor motor phase (A+) Conveyor motor phase (B-) +24 V (interlock switch and Fuse) Conveyor motor phase (B-) +24 V (interlock switch and Fuse) Conveyor motor phase (B+) Description Feed motor phase (A-)
Pin CN5028 1 2 3 4 CN5031 [POWE Pin CN5031 1 2 3 4 5 6 CN5032 [POWE Pin CN5032 1 2	No. Door Switch	Signal Name 24V 24VDOOR 24VDOOR 24VIL rd] - Conveyor Motor Signal Name *CA CCOMA CA *CB CCOMB CB rd] - Paper Feed Motor Signal Name *FA N.C.	+24 V (Interlock switch: +24 V IN) +24 V (Interlock switch) +24 V (Interlock switch) +24 V (Interlock switch: +24 V OUT) Description Conveyor motor phase (A-) +24 V (interlock switch and Fuse) Conveyor motor phase (A+) Conveyor motor phase (B-) +24 V (interlock switch and Fuse) Conveyor motor phase (B-) +24 V (interlock switch and Fuse) Conveyor motor phase (B+) Description Feed motor phase (A-) Not used
Pin CN5028 1 2 3 4 CN5031 [POWE Pin CN5031 1 2 3 4 5 6 CN5032 [POWE Pin CN5032 1 2 3 4 5 6	No. Door Switch ER RELAY Boar No. Conveyor Motor	Signal Name 24V 24VDOOR 24VDOOR 24VIL rd] - Conveyor Motor Signal Name *CA CCOMA CA *CB CCOMB CB rd] - Paper Feed Motor Signal Name *FA N.C. FCOMA	+24 V (Interlock switch: +24 V IN) +24 V (Interlock switch) +24 V (Interlock switch) +24 V (Interlock switch: +24 V OUT) Description Conveyor motor phase (A-) +24 V (interlock switch and Fuse) Conveyor motor phase (B-) Conveyor motor phase (B-) +24 V (interlock switch and Fuse) Conveyor motor phase (B-) +24 V (interlock switch and Fuse) Conveyor motor phase (B+) Description Feed motor phase (A-) Not used +24 V
Pin CN5028 1 2 3 4 CN5031 [POWE Pin CN5031 1 2 3 4 5 6 CN5032 [POWE Pin CN5032 1 2 3 4 4 5 6	No. Door Switch ER RELAY Boar No. Conveyor Motor	Signal Name 24V 24VDOOR 24VDOOR 24VIL rd] - Conveyor Motor Signal Name *CA CCOMA CA *CB CCOMB CB rd] - Paper Feed Motor Signal Name *FA N.C. FCOMA FA	+24 V (Interlock switch: +24 V IN) +24 V (Interlock switch) +24 V (Interlock switch) +24 V (Interlock switch: +24 V OUT) Description Conveyor motor phase (A-) +24 V (interlock switch and Fuse) Conveyor motor phase (B-) Conveyor motor phase (B-) +24 V (interlock switch and Fuse) Conveyor motor phase (B-) +24 V (interlock switch and Fuse) Conveyor motor phase (B+) Description Feed motor phase (A-) Not used +24 V Feed motor phase (A+)
Pin CN5028 1 2 3 4 CN5031 [POWE Pin CN5031 1 2 3 4 5 6 CN5032 [POWE Pin CN5032 1 2 3 4 5 5 6	No. Door Switch ER RELAY Boar No. Conveyor Motor	Signal Name 24V 24VDOOR 24VDOOR 24VIL rd] - Conveyor Motor Signal Name *CA CCOMA CA *CB CCOMB CB rd] - Paper Feed Motor Signal Name *FA N.C. FCOMA FA *FB	+24 V (Interlock switch: +24 V IN) +24 V (Interlock switch) +24 V (Interlock switch) +24 V (Interlock switch: +24 V OUT) Description Conveyor motor phase (A-) +24 V (interlock switch and Fuse) Conveyor motor phase (B-) +24 V (interlock switch and Fuse) Conveyor motor phase (B-) +24 V (interlock switch and Fuse) Conveyor motor phase (B-) Pescription Feed motor phase (A-) Not used +24 V Feed motor phase (A+) Feed motor phase (B-) Feed motor phase (B-)
Pin CN5028 1 2 3 4 CN5031 [POWE Pin CN5031 1 2 3 4 5 6 CN5032 [POWE Pin CN5032 1 2 3 4 4 5 6	No. Door Switch ER RELAY Boar No. Conveyor Motor	Signal Name 24V 24VDOOR 24VDOOR 24VIL rd] - Conveyor Motor Signal Name *CA CCOMA CA *CB CCOMB CB rd] - Paper Feed Motor Signal Name *FA N.C. FCOMA FA	+24 V (Interlock switch: +24 V IN) +24 V (Interlock switch) +24 V (Interlock switch) +24 V (Interlock switch: +24 V OUT) Description Conveyor motor phase (A-) +24 V (interlock switch and Fuse) Conveyor motor phase (B-) Conveyor motor phase (B-) +24 V (interlock switch and Fuse) Conveyor motor phase (B-) +24 V (interlock switch and Fuse) Conveyor motor phase (B+) Description Feed motor phase (A-) Not used +24 V Feed motor phase (A+)

CN5001 [OUTER CONVEYOR RELAY Board] - Double Feed Detector (R)			
Pin	No.	Signal Name	Description
CN5001	Double Feed		
	Detector (R)		
1	-	USOUND_R1	Double feed detector (Receiver1)
2	-	USOUND_R2	Double feed detector (Receiver2)
			CONVEYOR RELAY Board]
	No.	Signal Name	Description
CN5006	CN5002		
1	1	5VSLP	+5 V
2	2	STBY	Waiting sensor (H: Paper exist)
3	3	GND	Ground
CN5003 [OLITE	R CONVEYOR	RELAY Board] - Imprinte	r (Ontion)
	No.	Signal Name	Description
CN5003	Imprinter	Jigilal Naille	Description
1	1 1	+3V	+3.3 V
2	2	GND	Ground
3	3	IPD (15)	CPU data for imprinter [15]
4	4	IPD (15)	CPU data for imprinter [15] CPU data for imprinter [14]
5	5	IPD (13)	CPU data for imprinter [14]
6	6	IPD (12)	CPU data for imprinter [13]
7	7	IPD (11)	CPU data for imprinter [12]
8	8	IPD (10)	CPU data for imprinter [11]
9	9	IPD (9)	CPU data for imprinter [10] CPU data for imprinter [9]
10	10	IPD (8)	CPU data for imprinter [9]
11	11	IPADR (0)	CPU address for imprinter [0]
12	12	*IP_HWR	CPU write signal for imprinter
13	13	IMPCLK	Imprinter clock
14	14	*CSIMPR	Imprinter clock Imprinter chip select
15	15	*IP_RD	CPU read signal for imprinter
16	16	*RESET	System reset
17	17	GND	Ground
18	18	+24VIL	+24 V (Interlock switch)
10	10	TZ-7 V I L	+24 V (Interious Switch)
CN5015 [ENDING SENSOR Board] - CN5016 [SENSOR RELAY Board]			
Pin	No.	Signal Name	Description
CN5015	CN5016]	
1	1	5VSLP	+5 V
2	2	PEXIT	Ending sensor (H: Paper exist)
3	3	GND	Ground
CN5012 [STARTING SENSOR Board] - CN5017 [SENSOR RELAY Board]			
Pin		Signal Name	Description
CN5012	CN5017		Description
1 1	1 1	5VSLP	+5 V
2	2	SKEWR	Skew sensor (Right) H: Paper exist
3	3	PHEAD	Starting sensor H: Paper exist
4	4	SKEWL	Skew sensor (Left) H: Paper exist
5	5	GND	Ground

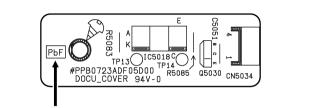
CN5007 [HOPPER HOME DETECTOR Board] - CN5018 [SENSOR RELAY Board]		
No.	Signal Name	Description
CN5018	7	
1	5VSLP	+5 V
2	5VSLP	+5 V
		Hopper home detector (H: Home position)
		Ground
Double Feed Detector (G) - CN5021 [SENSOR RELAY Board]		
No.	Signal Name	Description
CN5021	7	
1	USOUND_S1	Double feed detector (Generator1)
2		Double feed detector (Generator2)
CN5014 [HOPPER RELAY Board] - CN5020 [SENSOR RELAY Board] Pin No. Signal Name Description		
CN5020	7 -	·
1	PSIZE4	Size detector 4 (H: Interception)
2	PSIZE2	Size detector 2 (H: Interception)
	· · · · · · · · · · · · · · · · · · ·	+5 V
		+5 V
		Paper sensor
		Size detector 5 (H: Interception)
		Size detector 3 (H: Interception)
		Size detector 3 (1. Interception)
		Ground
		Ground
Paper Sensor - CN5011 [SIZE DETECTOR Board]		
No.	Signal Name	Description
1		+5 V
2		Paper sensor (L: Paper exist)
3	GND	Ground
4	FG	Frame Ground (to Plate)
CN5010 [SIZE DETECTOR Board] - CN5013 [HOPPER RELAY Board]		
	Signal Name	Description
1	PSIZE1	Size detector 1 (H: Interception)
2	GND	Ground
3	PSIZE3	Size detector 3 (H: Interception)
4	GND	Ground
5	PSIZE5	Size detector 5 (H: Interception)
6	5VSLP	+5 V
7	*PEXIST	Paper sensor (L: Paper exist)
8	5VSLP	+5 V
9		Size detector 4 (H: Interception)
		Size detector 2 (H: Interception)
	No. CN5018 1 2 3 4 Etector (G) - C No. CN5021 1 2 ER RELAY Bo No. CN5020 1 2 3 4 5 6 7 8 9 10 CN5011 [SIZE No. CN5011 1 2 3 4 DETECTOR Bo No. CN5013 1 2 3 4 5 6 7 8 8	No.



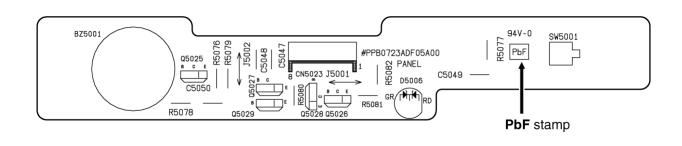
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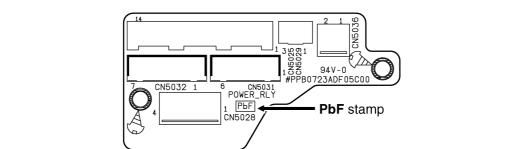


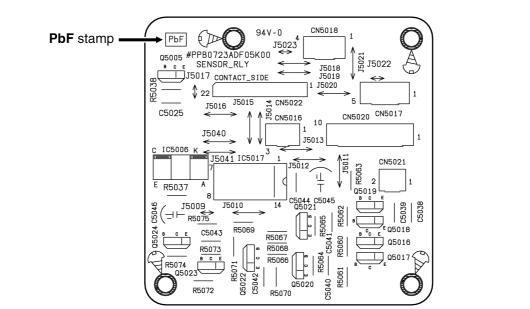
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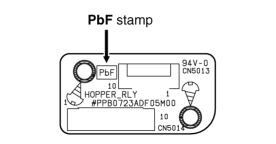


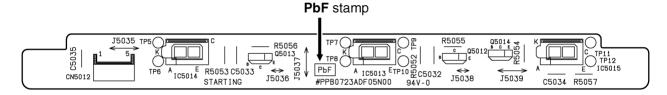
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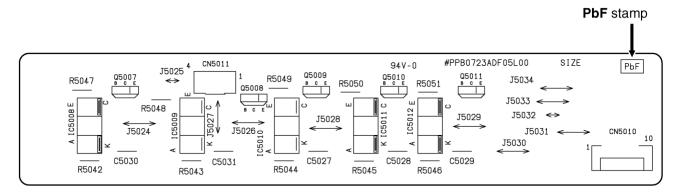


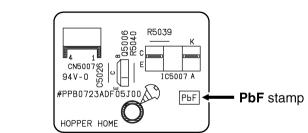


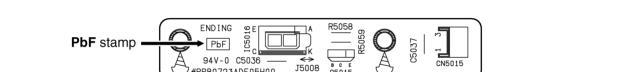


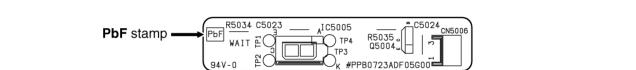


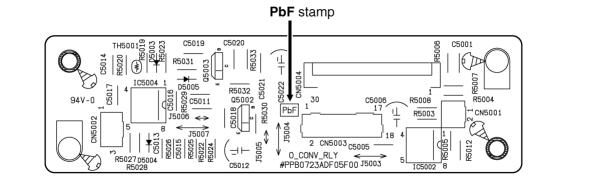
Reducing to 90%.

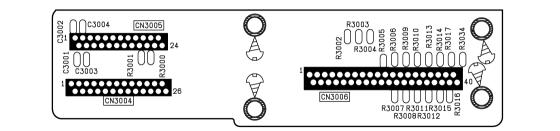


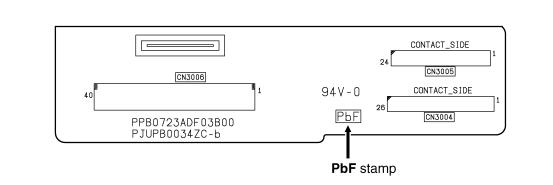


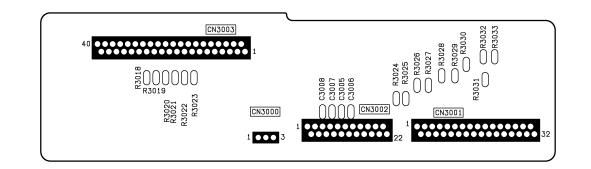


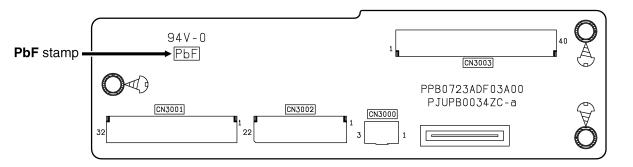


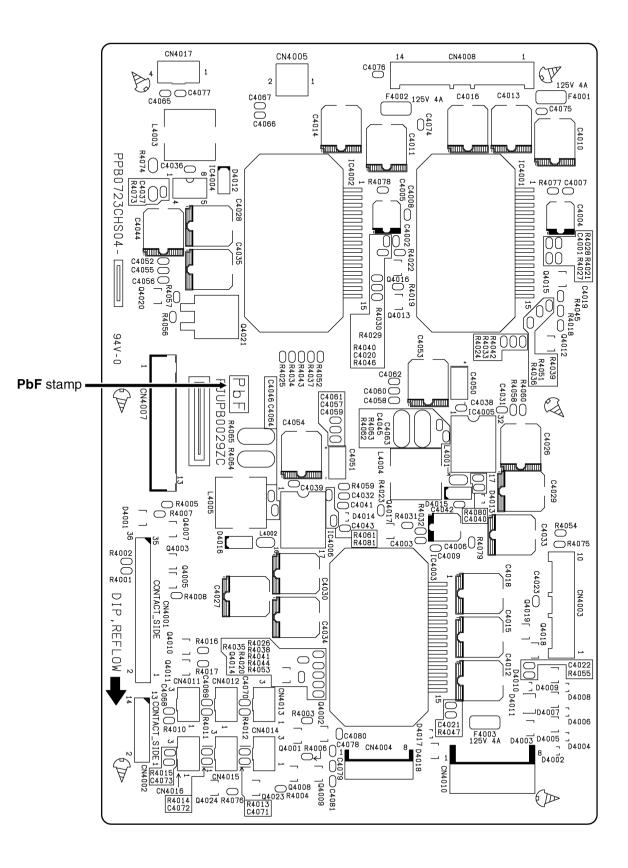


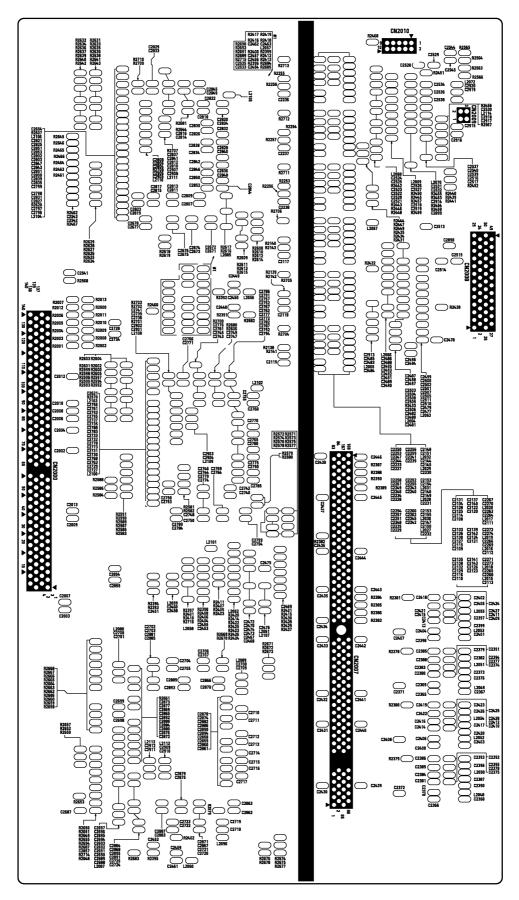




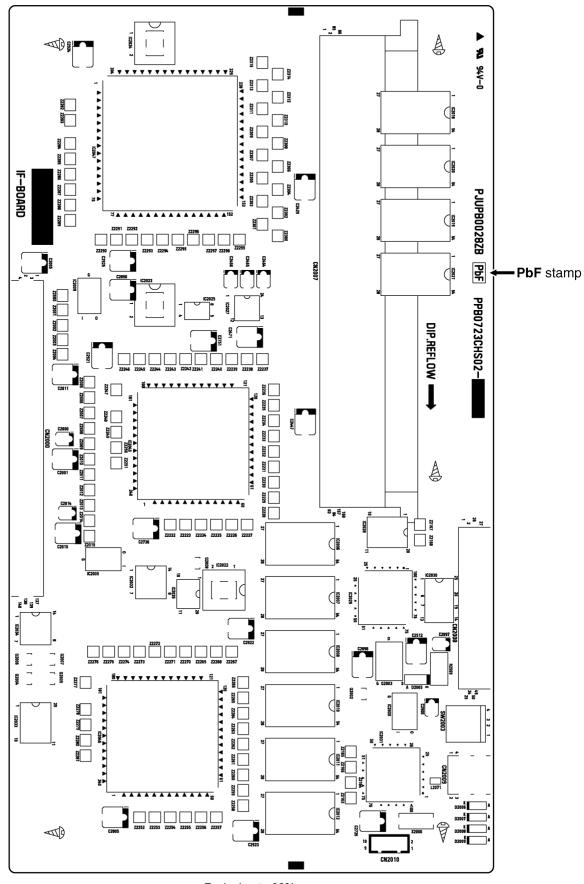




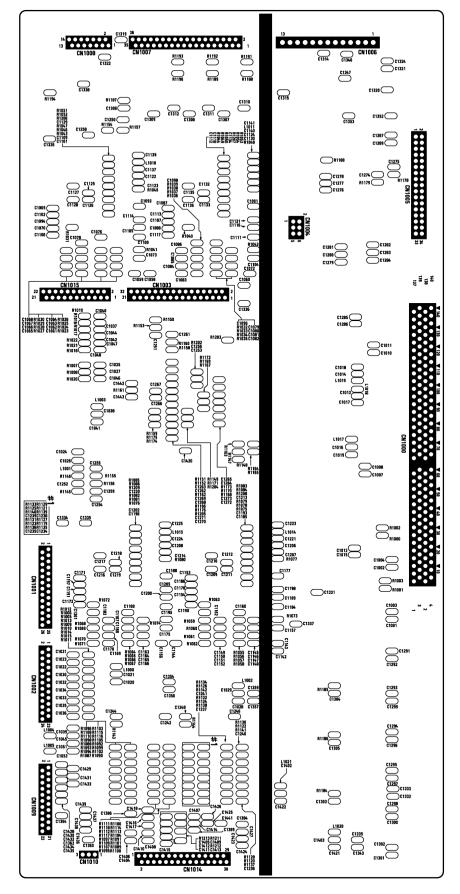




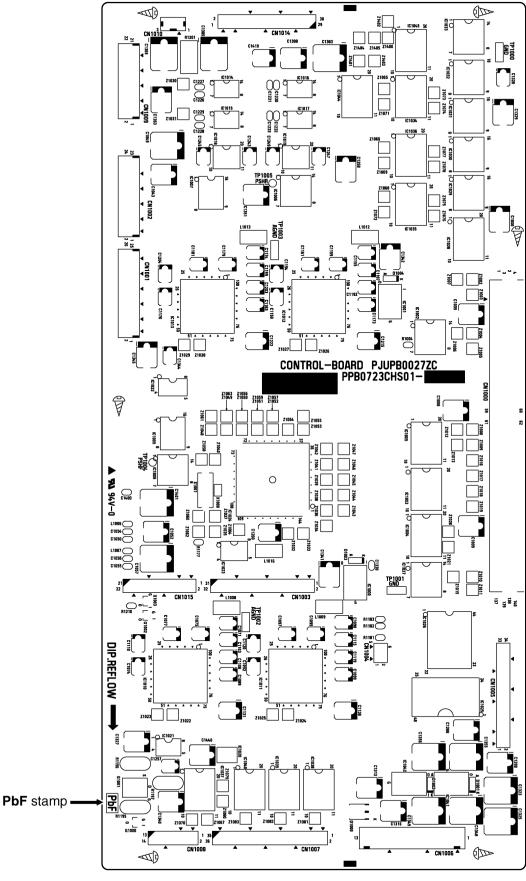
Reducing to 80%.



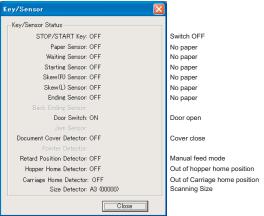
Reducing to 80%.



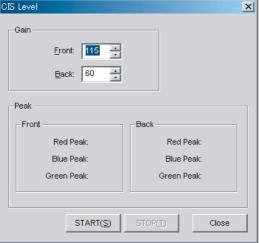
Reducing to 80%.

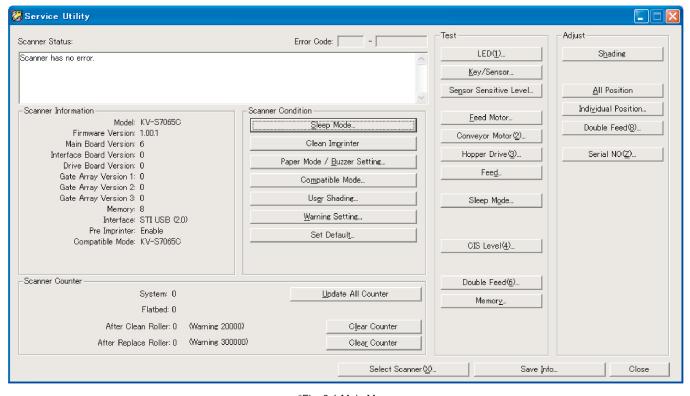


Reducing to 80%.





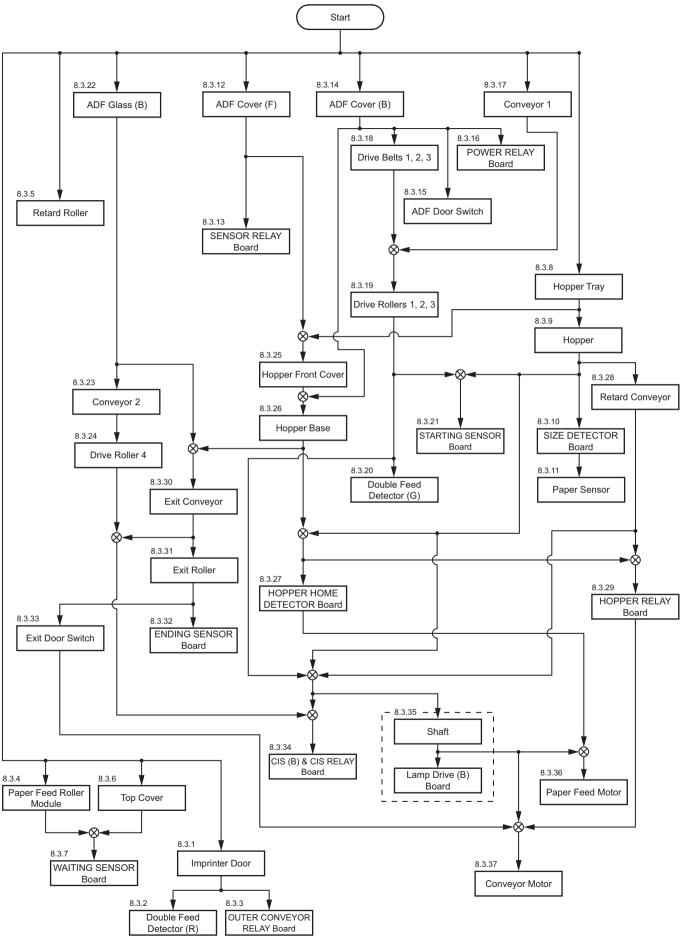


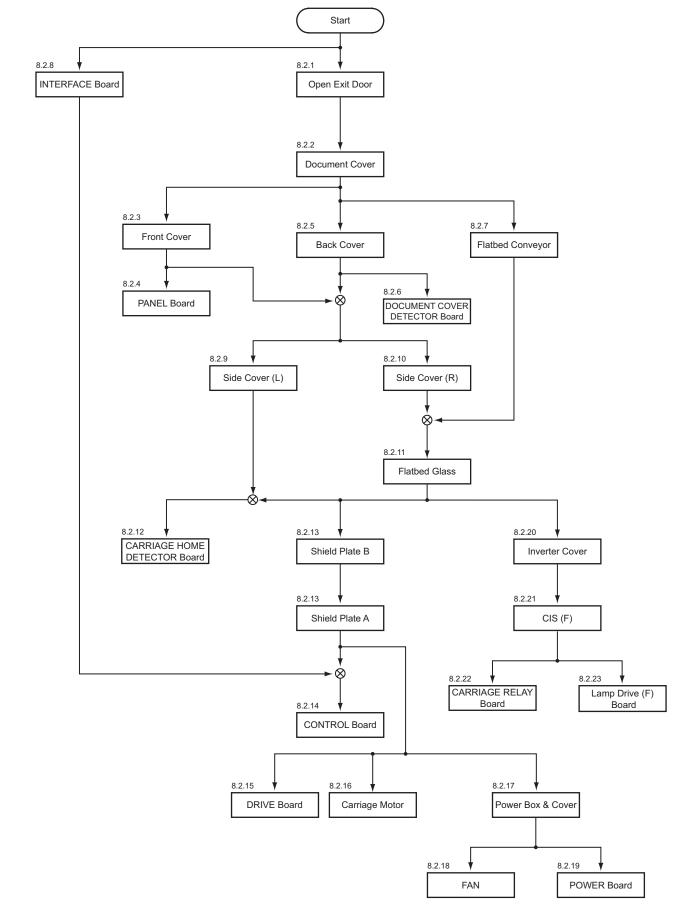


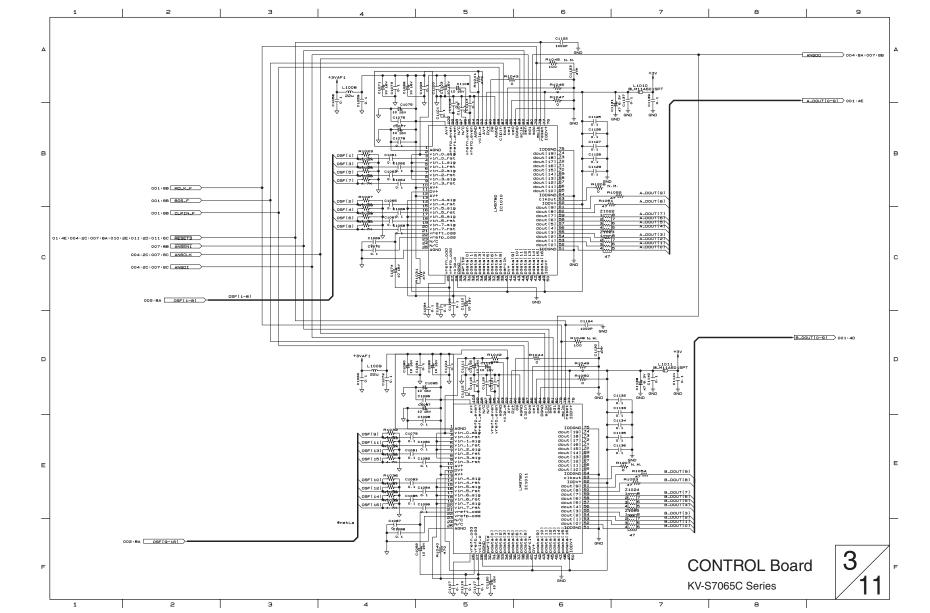
*Fig. 9.1 Main Menu

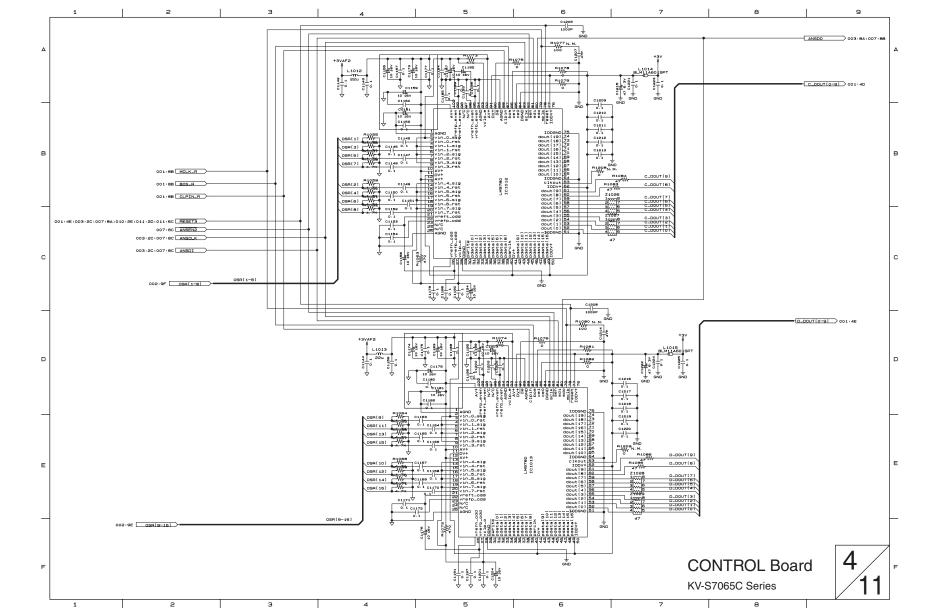
*Note:

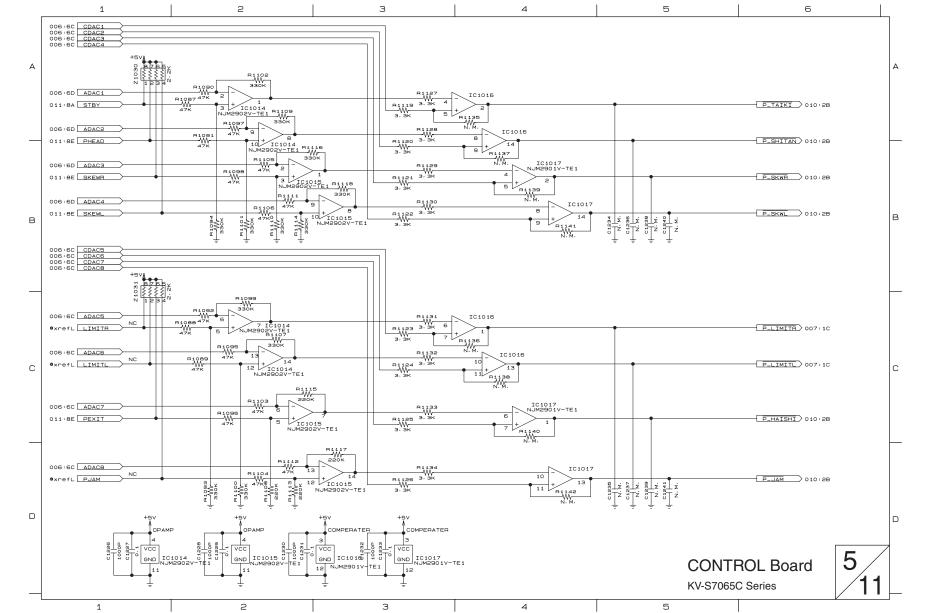
- · This is a main menu sample (Fig. 9.1) of the Service Utility software (Version 3.00).
- · This software is the latest version at the time when this service manual is issued, but it is subject to change without notice.

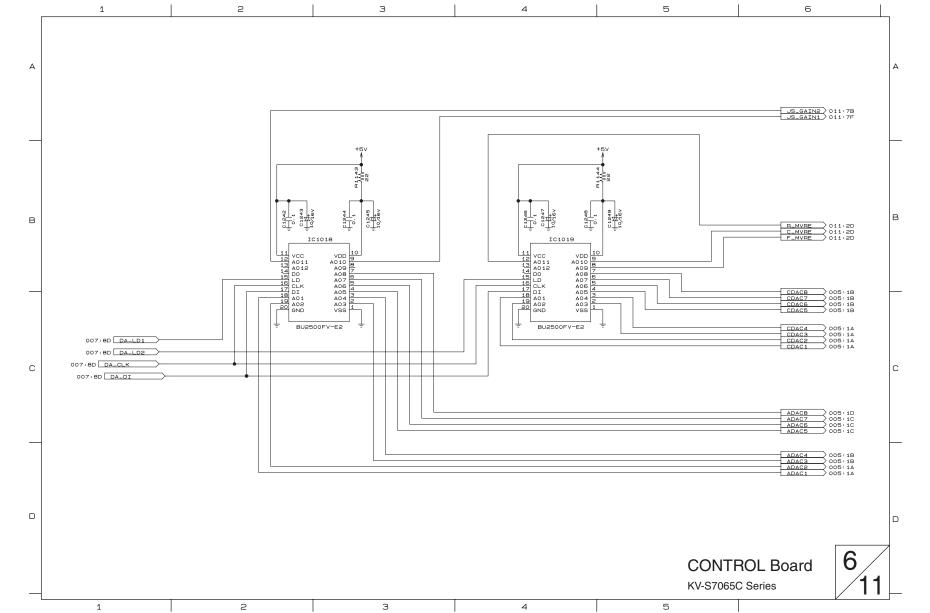


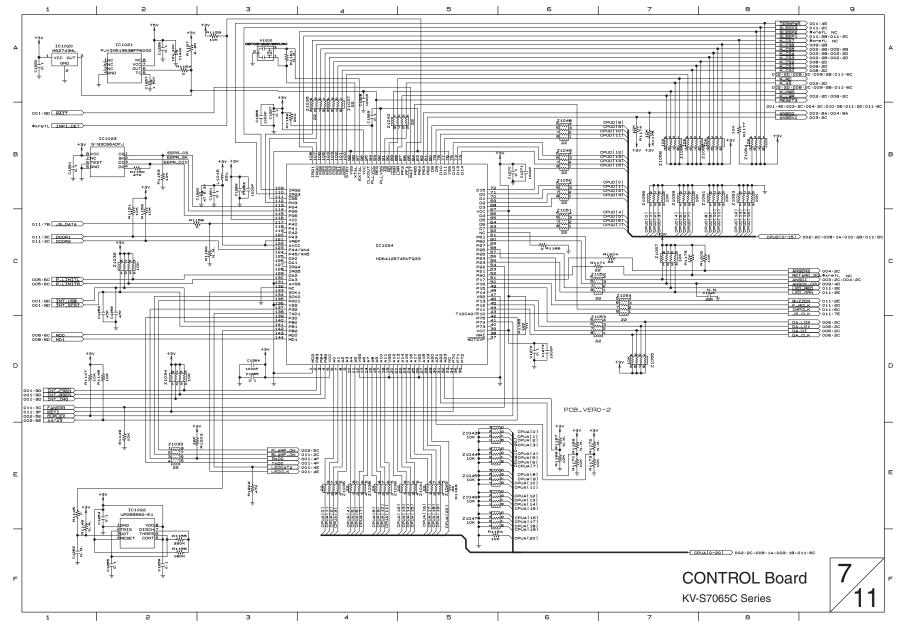


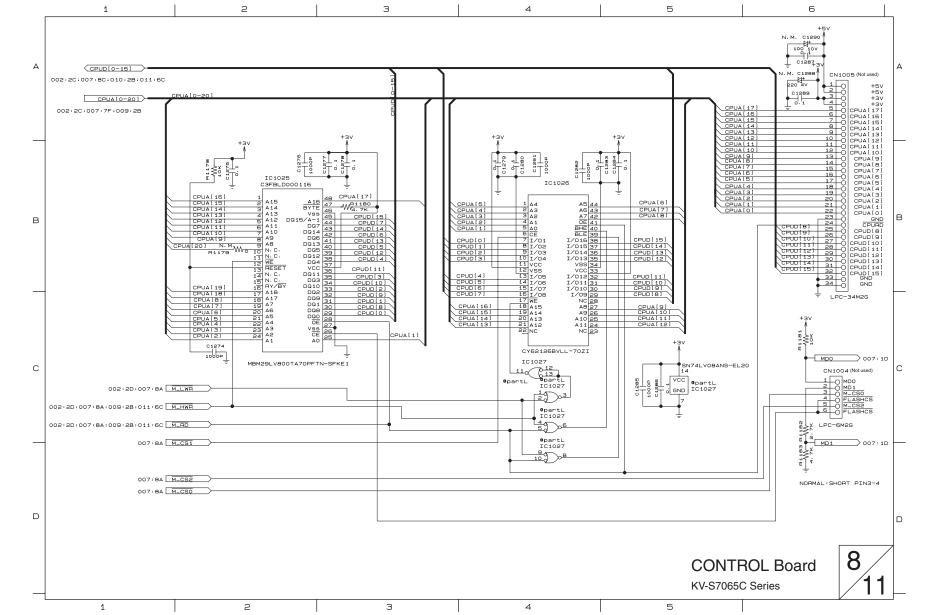


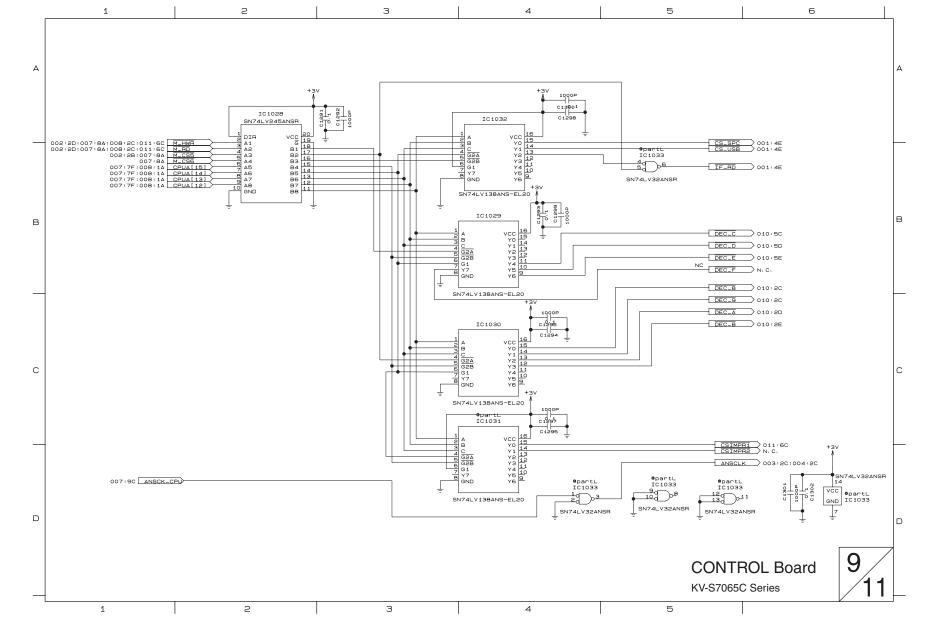


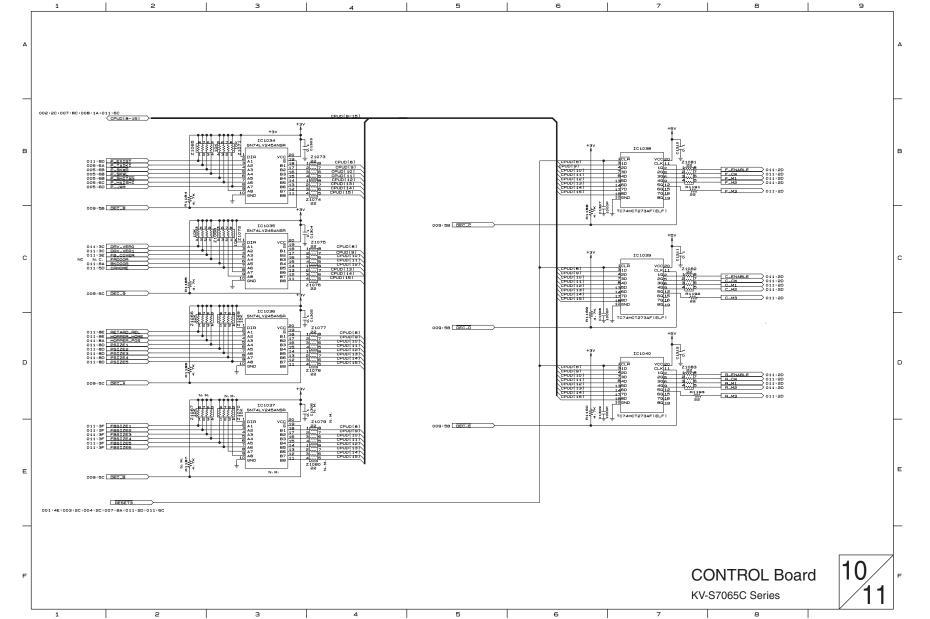


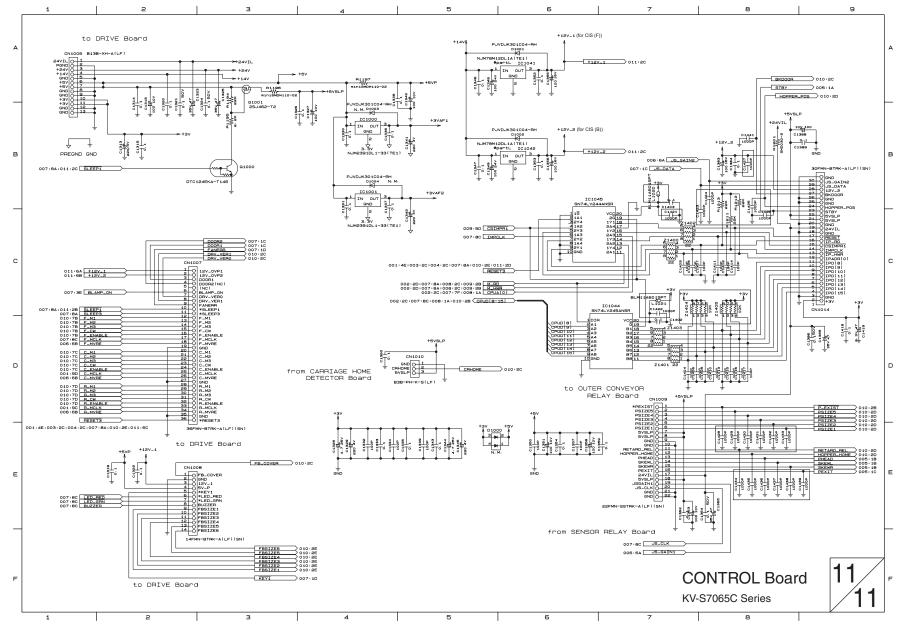


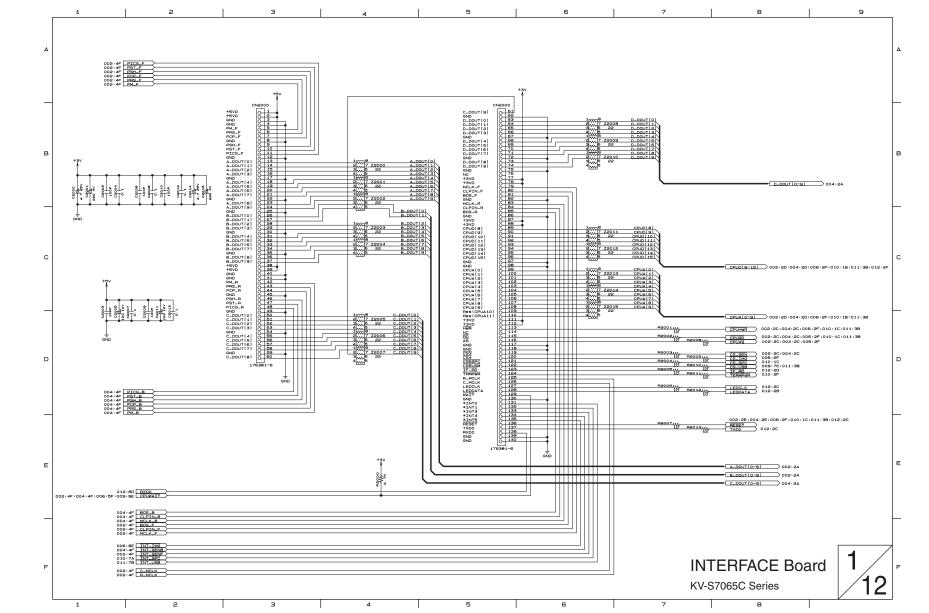


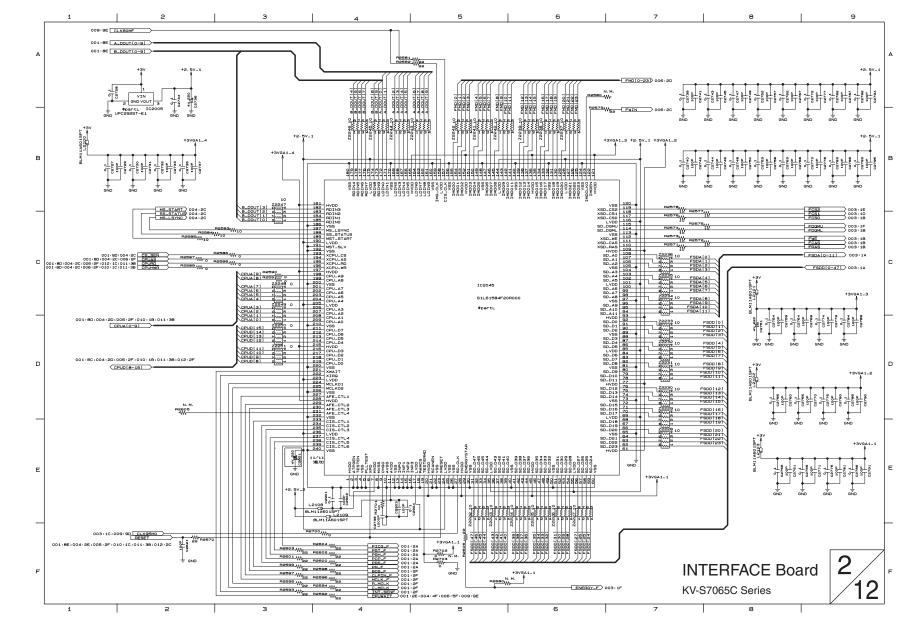


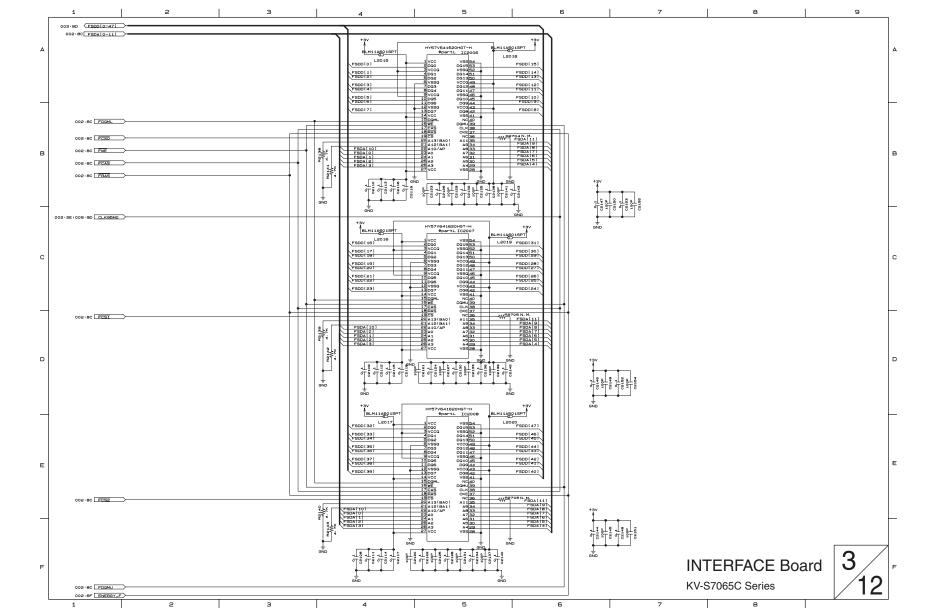


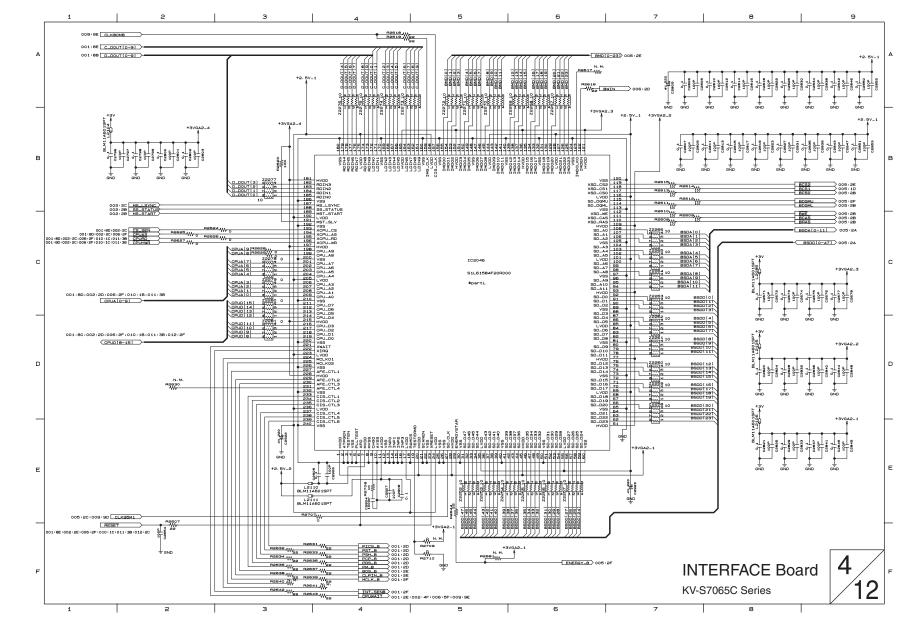


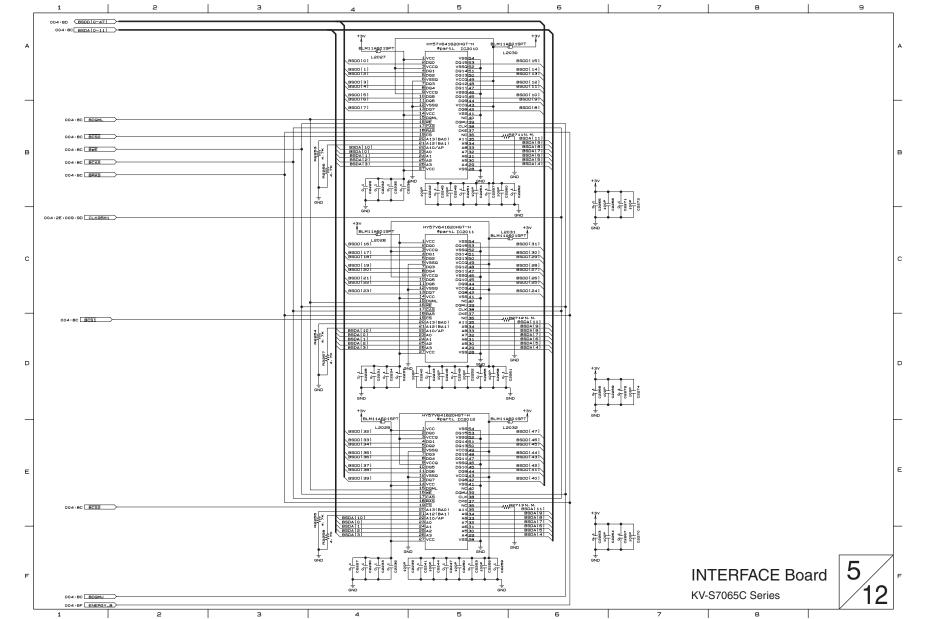


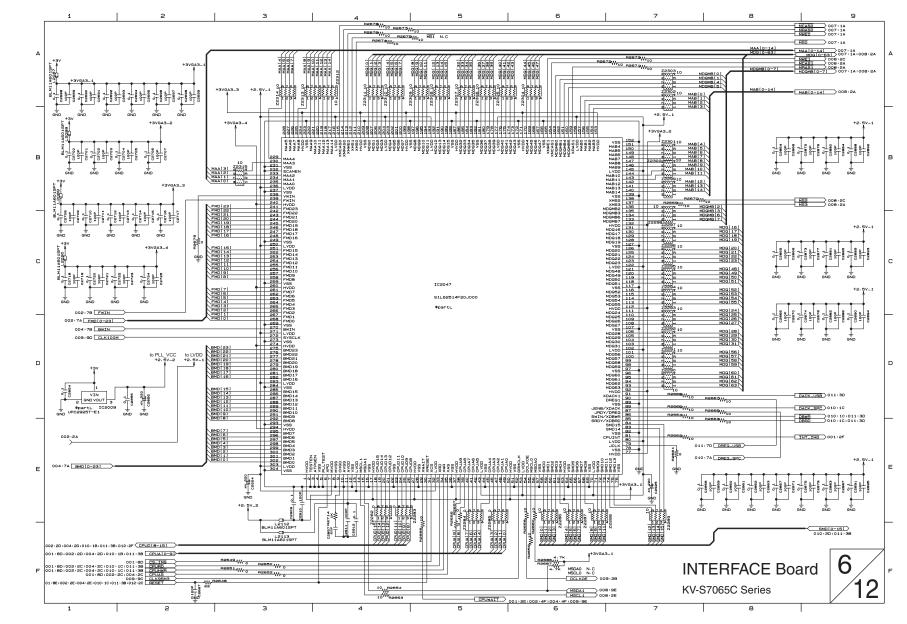


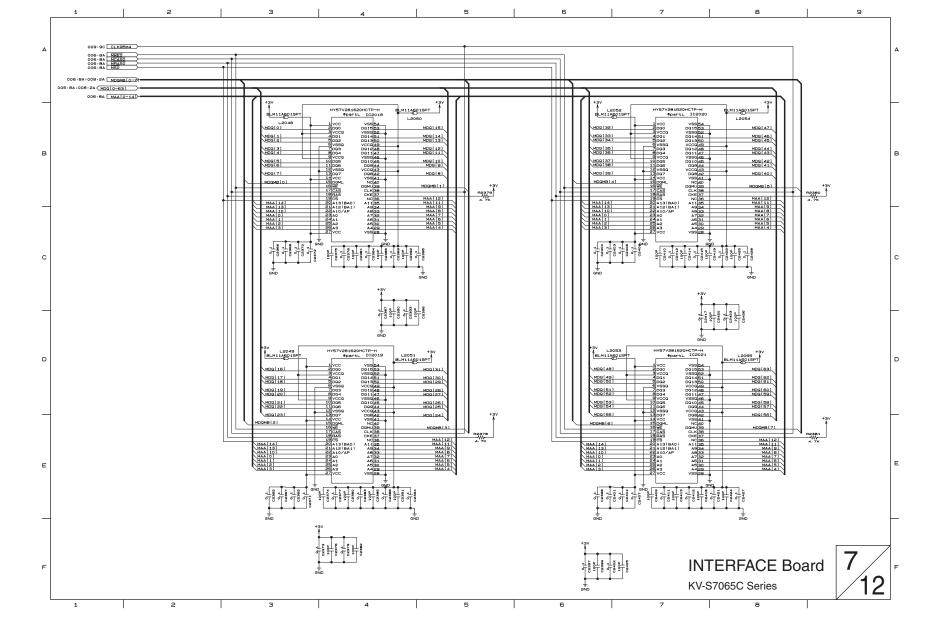


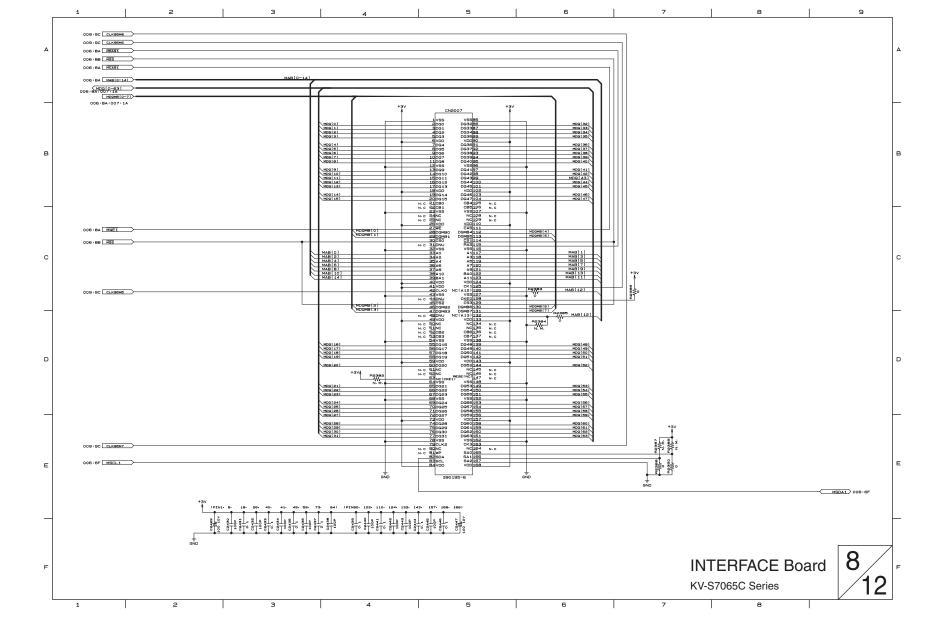


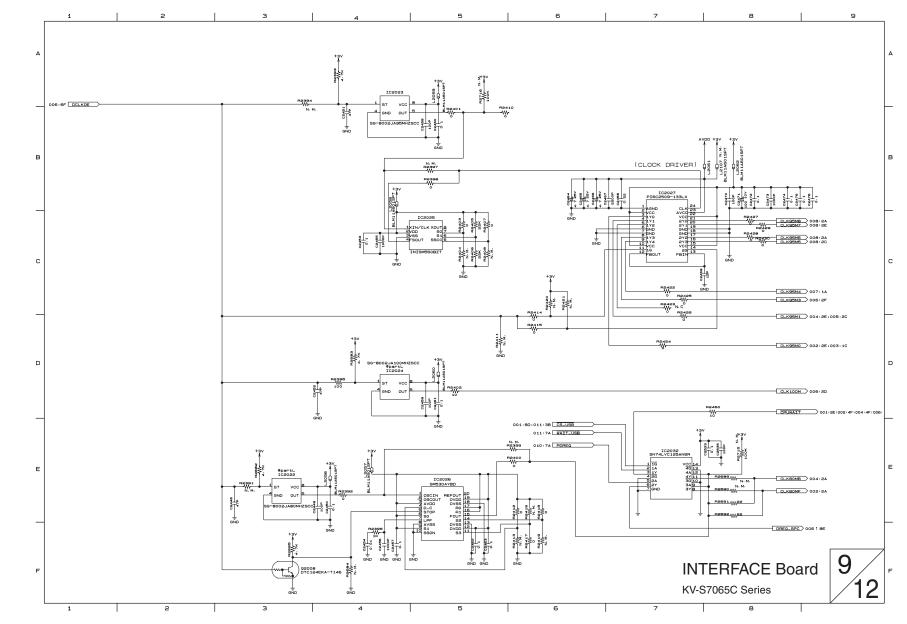


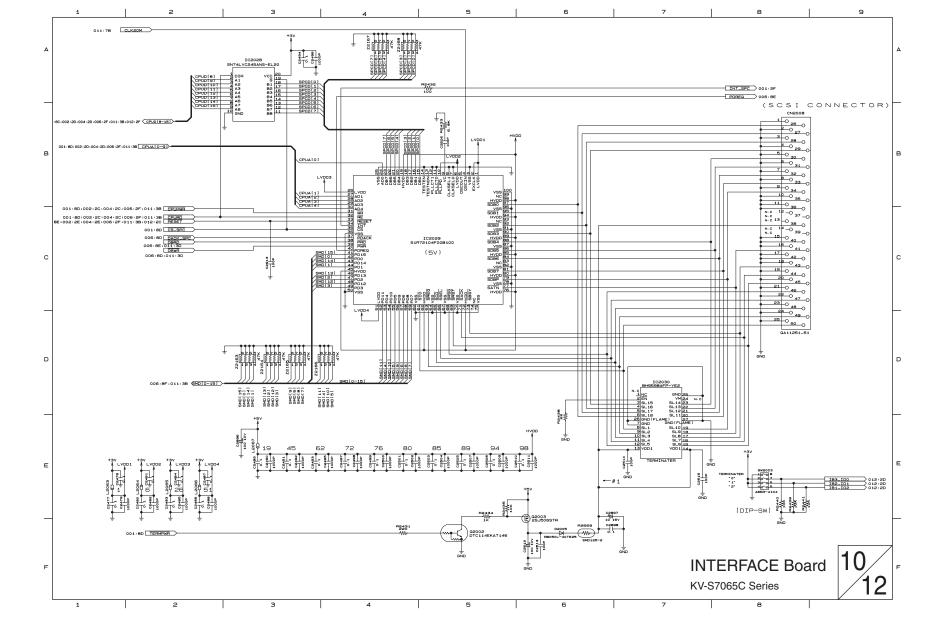


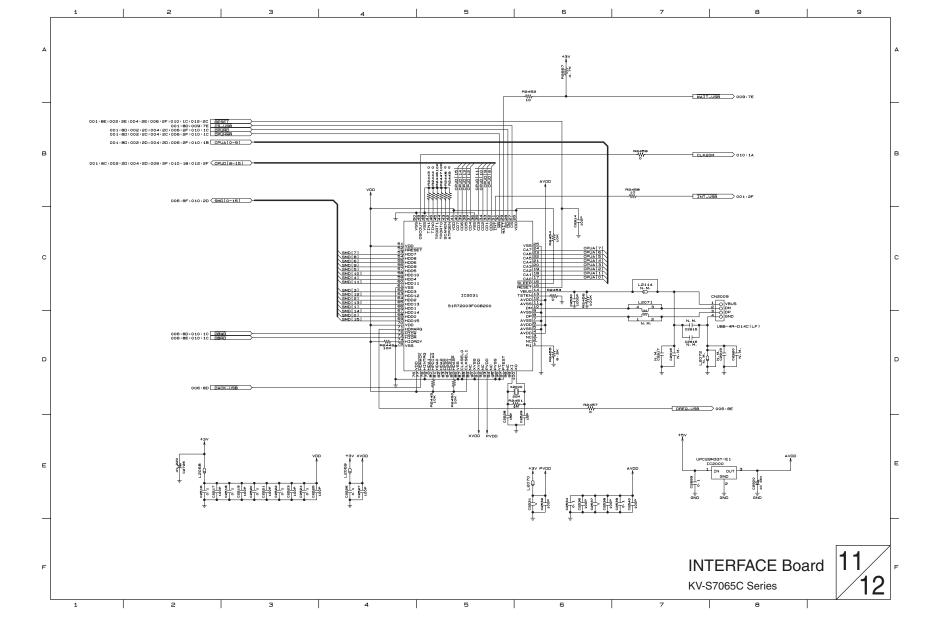


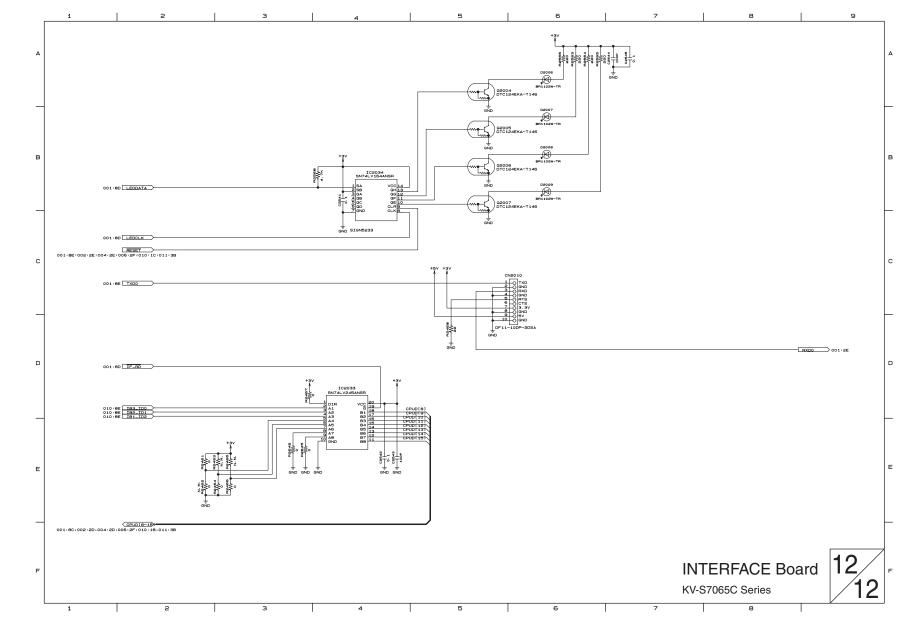


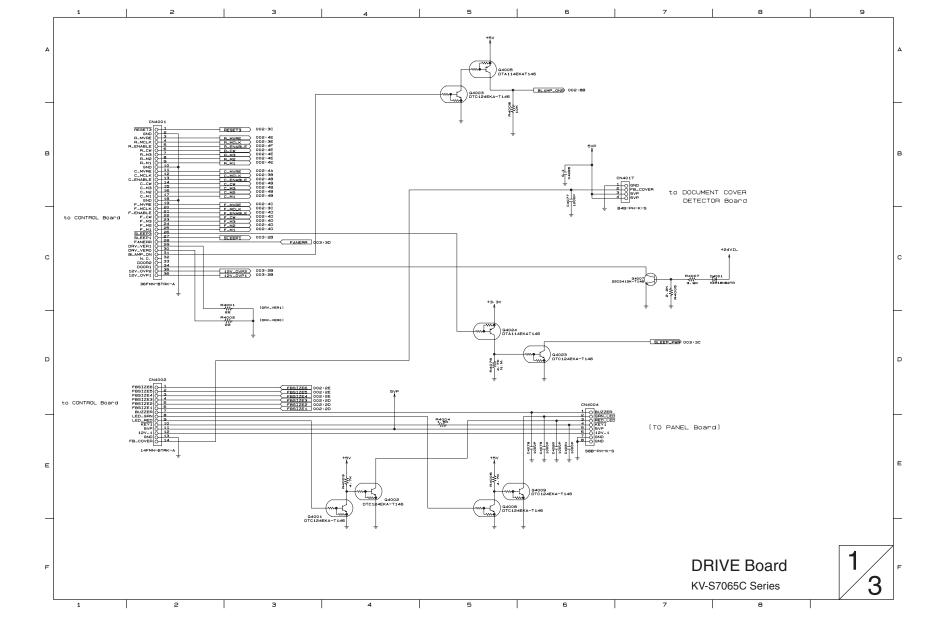


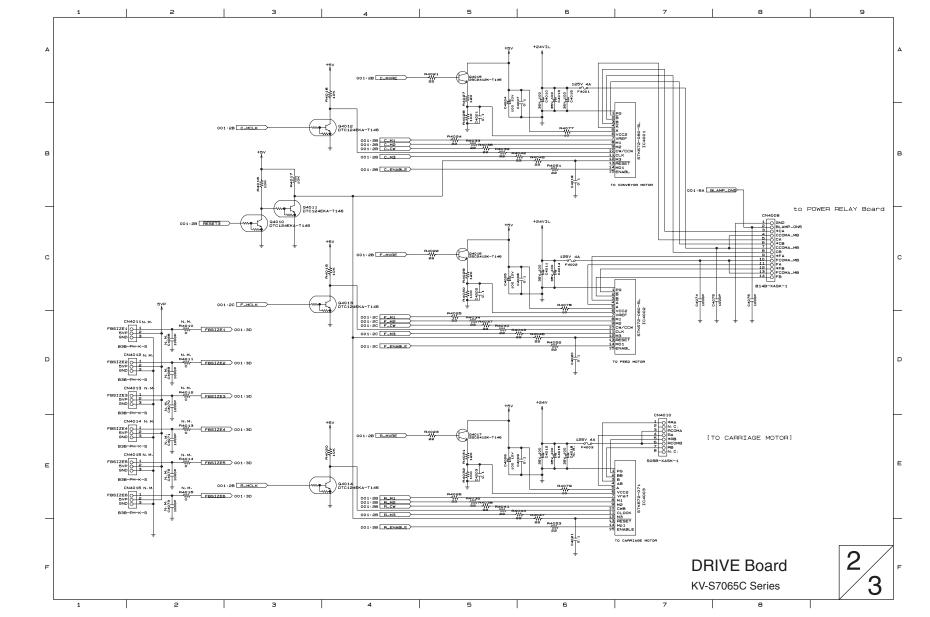


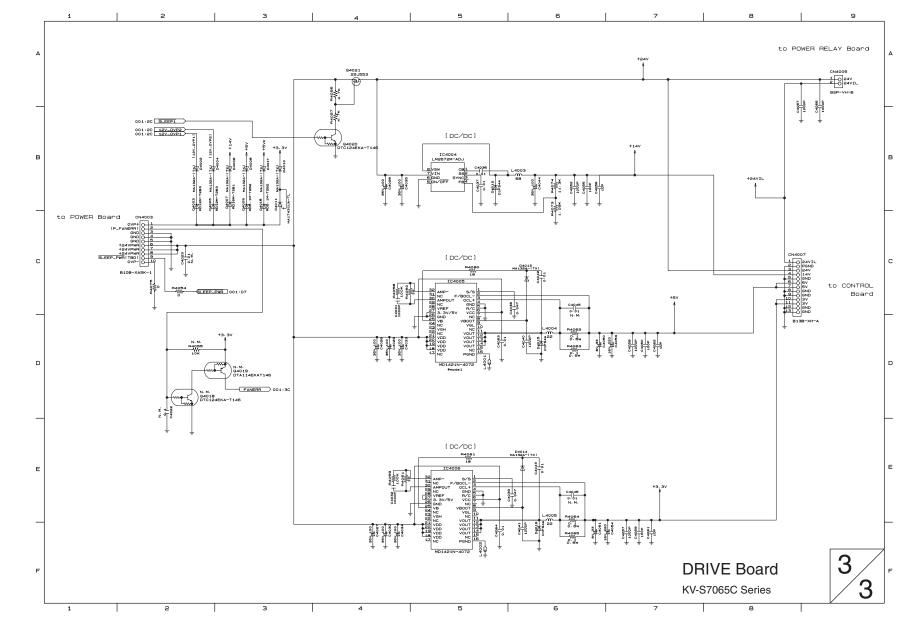


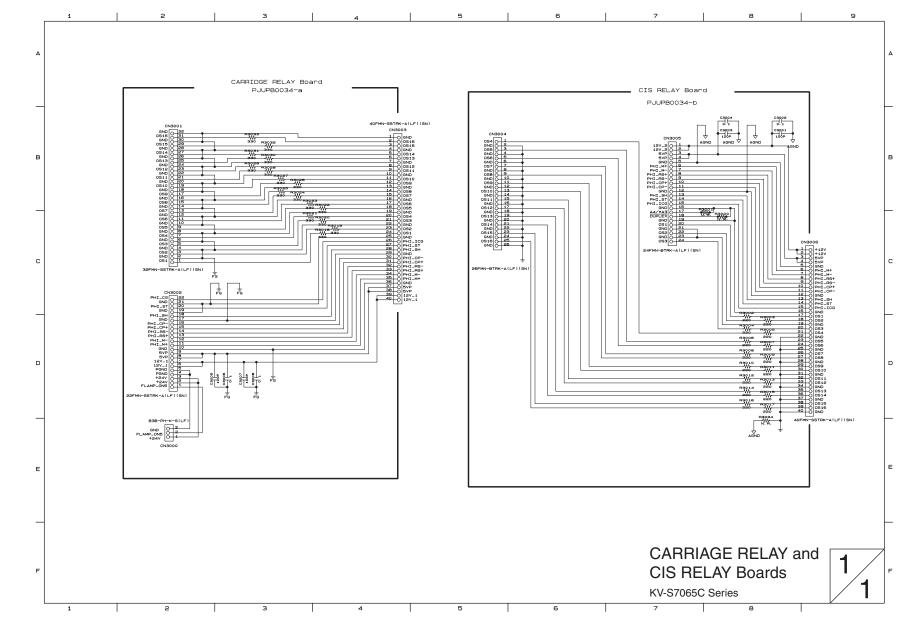


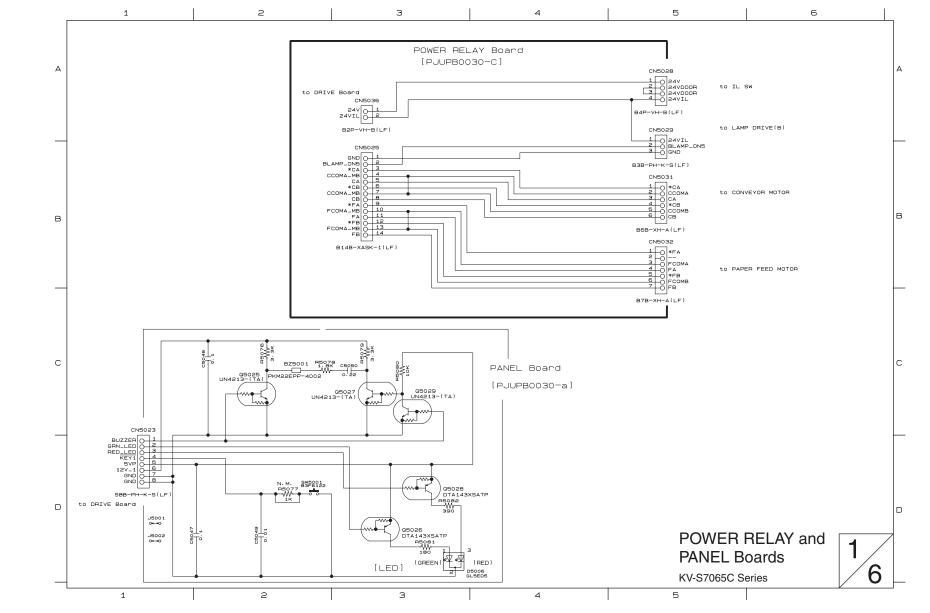


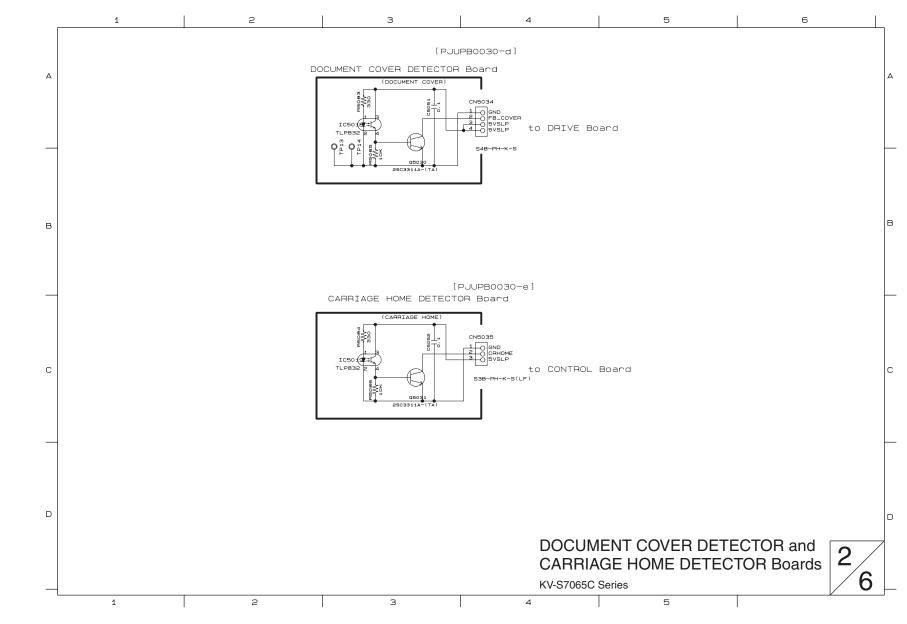


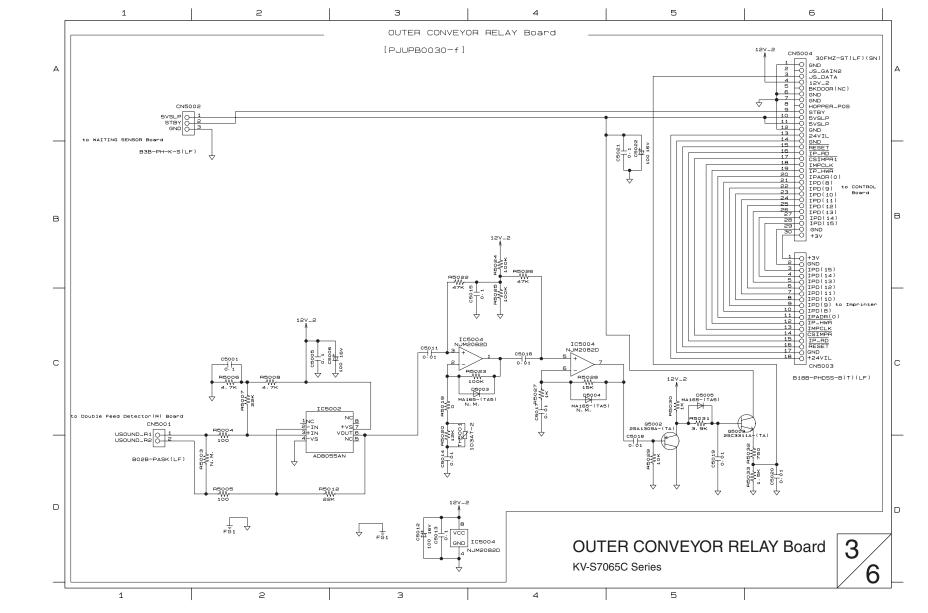


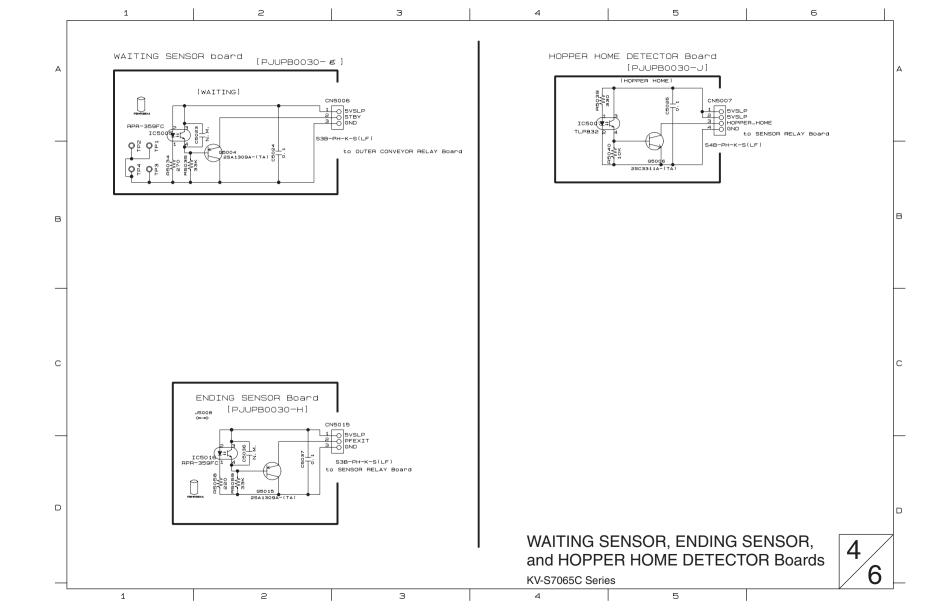


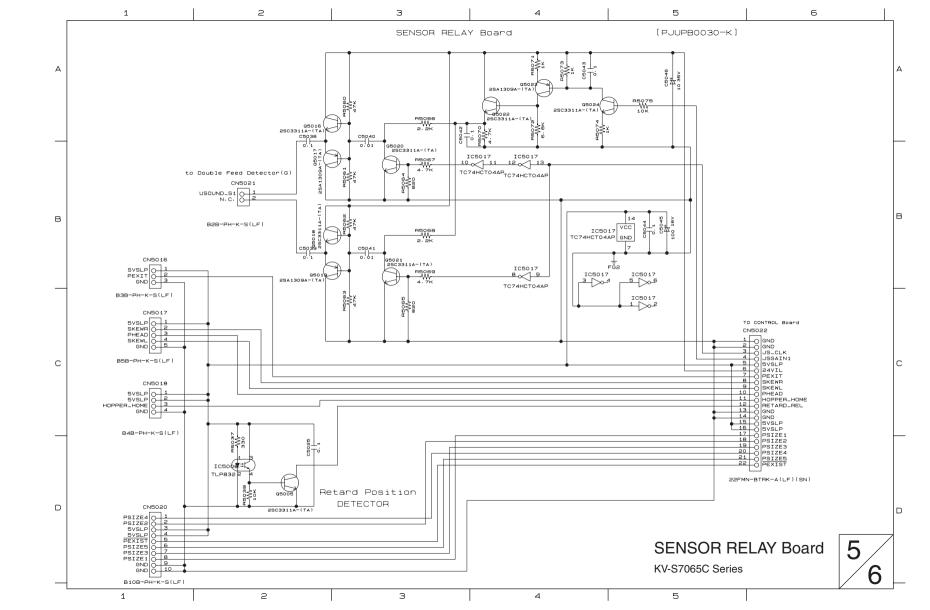


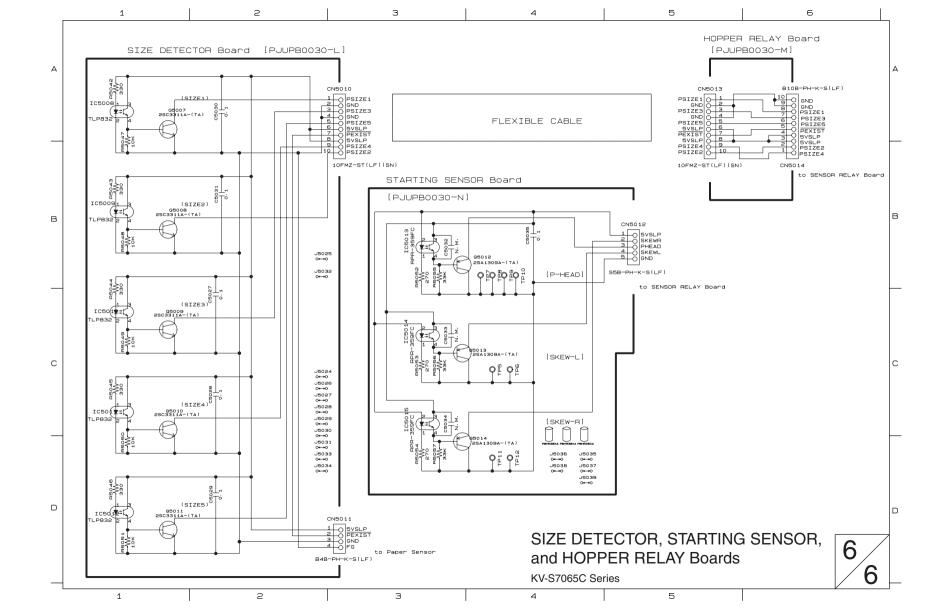


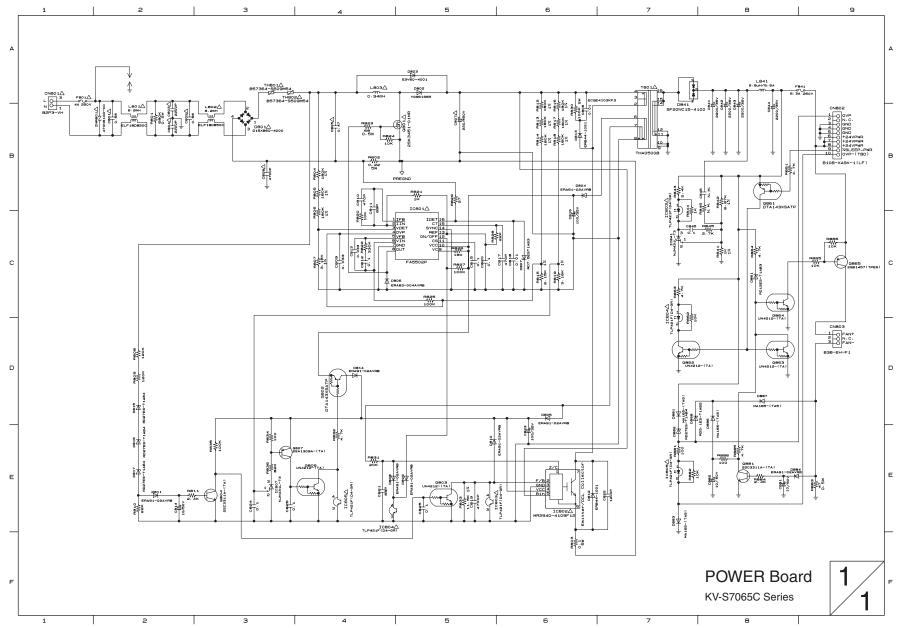


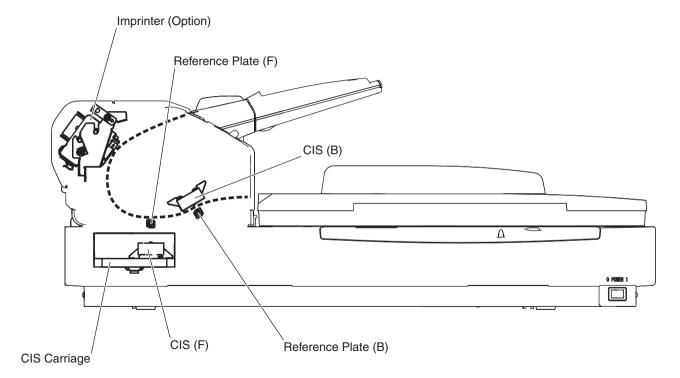


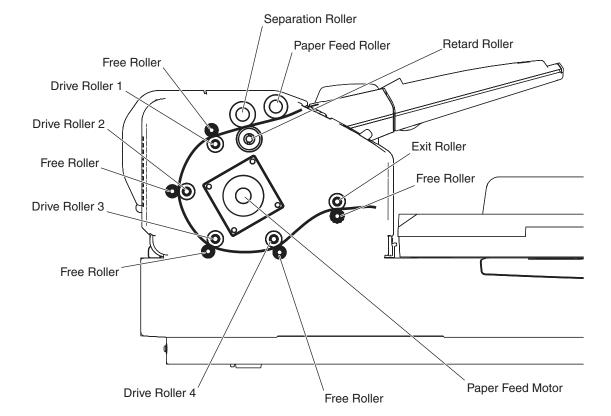


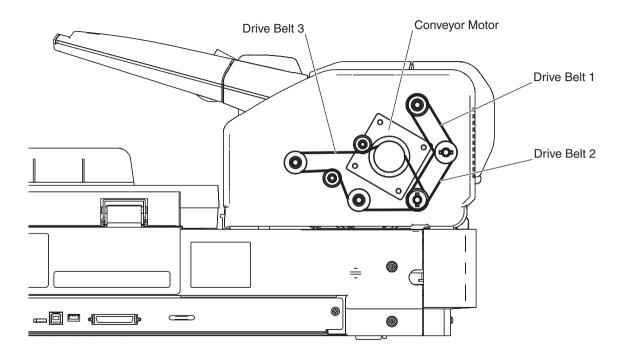


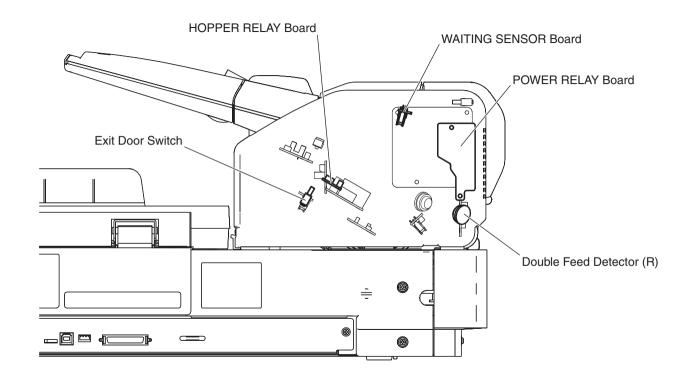


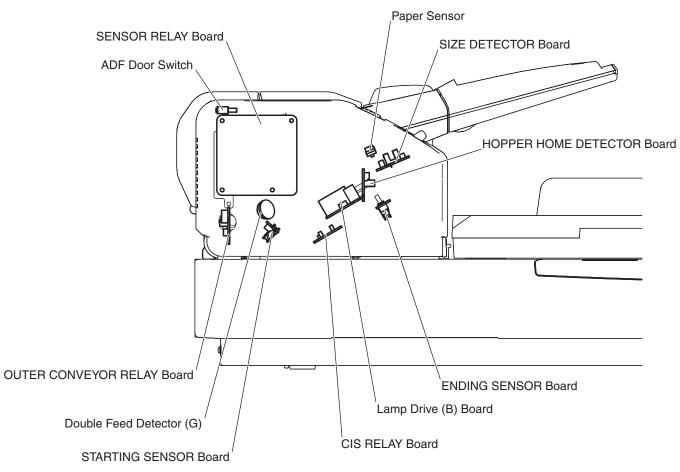


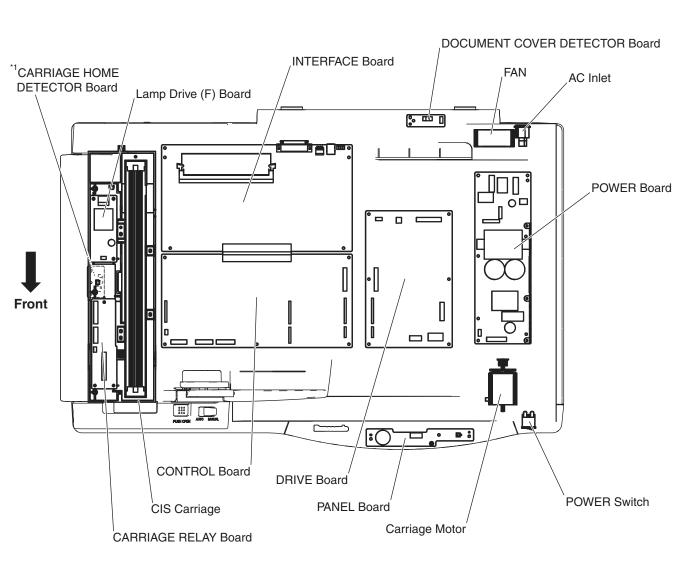


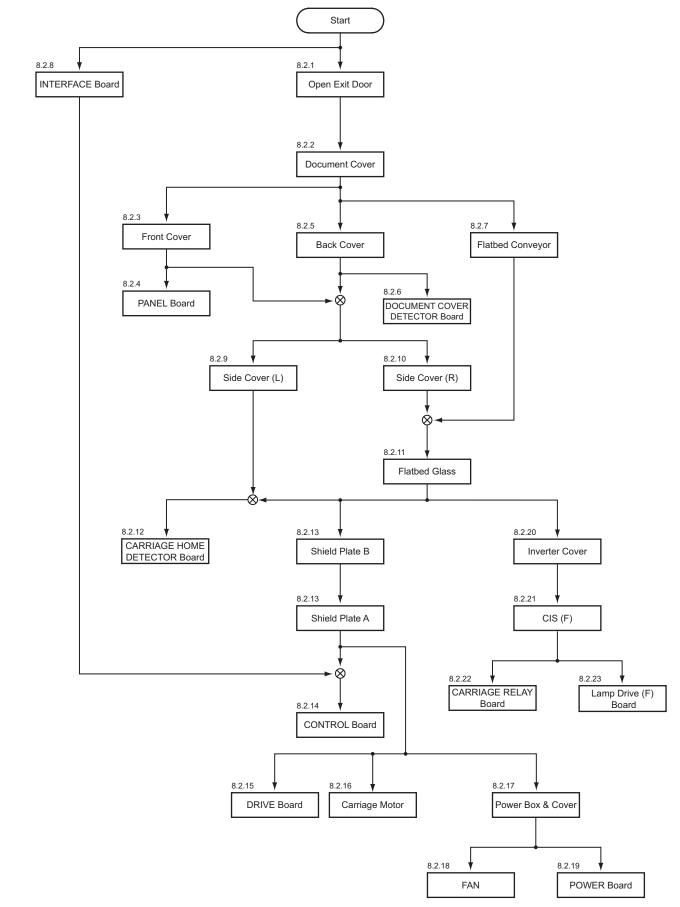


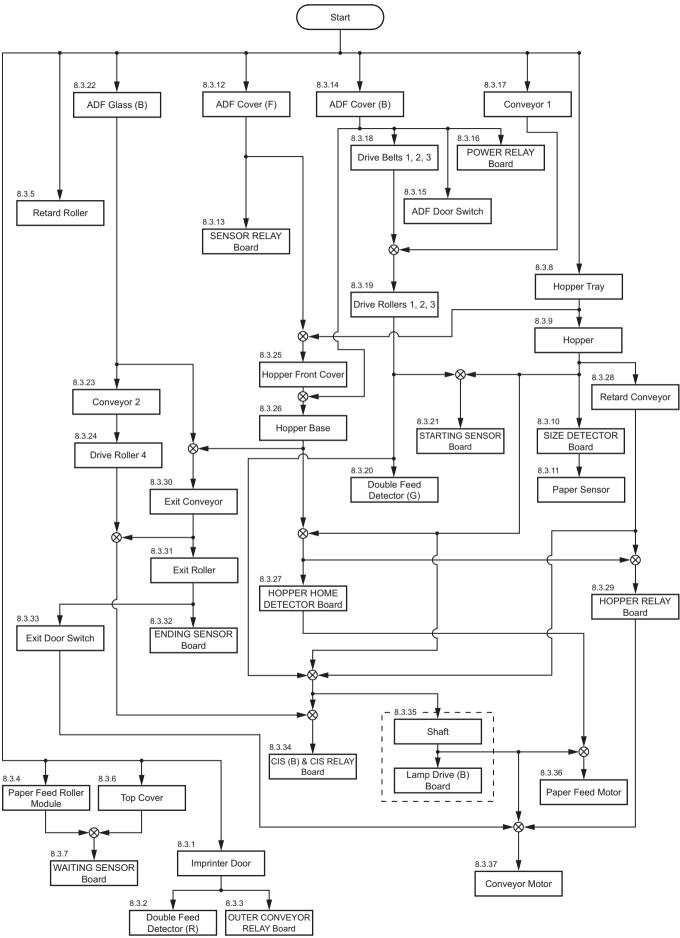


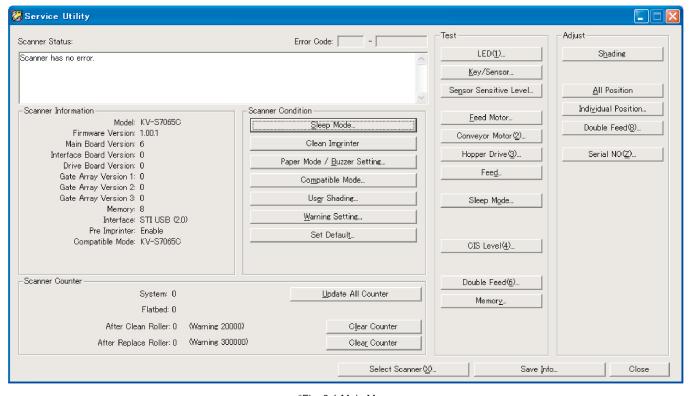








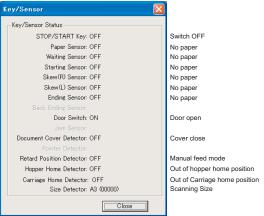


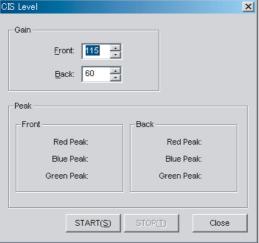


*Fig. 9.1 Main Menu

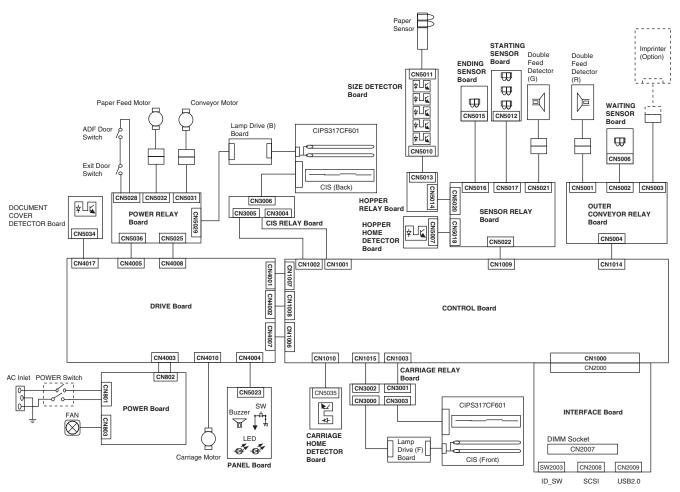
*Note:

- · This is a main menu sample (Fig. 9.1) of the Service Utility software (Version 3.00).
- · This software is the latest version at the time when this service manual is issued, but it is subject to change without notice.









CN1000 [CONTROL Board] - CN2000 [INTERFACE Board] Signal Name Description Pin No. CN1000 CN2000 1 1 +5VD +5 V 2 2 +5VD +5 V 3 3 GND Ground 4 4 GND Ground PM F 5 5 Front CIS clock (5 MHz) PRS F Front CIS reset pulse 6 6 7 7 PCP_F Front CIS clamp pulse 8 8 **GND** Ground 9 9 PSH F Front CIS shift pulse 10 10 PST F Front CIS storage pulse 11 11 PICG_F Front CIS ICG pulse 12 12 **GND** Ground A_DOUT (0) 13 13 Front CIS CH1-8 digital data [0] 14 14 Front CIS CH1-8 digital data [1] A_DOUT (1) 15 15 Front CIS CH1-8 digital data [2] A_DOUT (2) 16 16 A_DOUT (3) Front CIS CH1-8 digital data [3] 17 17 **GND** Ground 18 18 A_DOUT (4) Front CIS CH1-8 digital data [4] 19 19 A DOUT (5) Front CIS CH1-8 digital data [5]

Front CIS CH1-8 digital data [6]

Front CIS CH1-8 digital data [7]

Front CIS CH1-8 digital data [8]

Front CIS CH1-8 digital data [9]

Front CIS CH9-16 digital data [0]

Front CIS CH9-16 digital data [1]

Front CIS CH9-16 digital data [2]

Front CIS CH9-16 digital data [3]

Front CIS CH9-16 digital data [4]

Front CIS CH9-16 digital data [5]

Front CIS CH9-16 digital data [6]

Front CIS CH9-16 digital data [7]

Front CIS CH9-16 digital data [8]

Front CIS CH9-16 digital data [9]

Back CIS clock (5 MHz)

Back CIS reset pulse

Back CIS clamp pulse

Back CIS shift pulse

Back CIS ICG pulse

Back CIS storage pulse

Back CIS CH1-8 digital data [0]

Back CIS CH1-8 digital data [1]

Back CIS CH1-8 digital data [2]

Back CIS CH1-8 digital data [3]

Back CIS CH1-8 digital data [4]

Back CIS CH1-8 digital data [5]

Back CIS CH1-8 digital data [6]

Back CIS CH1-8 digital data [7]

Ground

Ground

Ground

Ground

+5 V

+5 V

Ground

Ground

Ground

Ground

Ground

20

21

22

23 24

25

26

27

28

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30

31

32

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A_DOUT (6)

A DOUT (7)

A_DOUT (8)

A_DOUT (9)

B_DOUT (0)

B DOUT (1)

B_DOUT (2)

B DOUT (3)

B_DOUT (4)

B_DOUT (5)

B_DOUT (6)

B_DOUT (7)

B_DOUT (8)

B_DOUT (9)

GND

GND

GND

GND

+5VD

+5VD

GND

GND

PM R

PRS R

PCP_R

PSH R

PST R

PICG_R

C_DOUT (0)

C_DOUT (1)

C_DOUT (2)

C_DOUT (3)

C_DOUT (4)

C_DOUT (5)

C_DOUT (6)

C_DOUT (7)

GND

GND

GND

Pin	No.	Signal Name	Description
CN1000	CN2000		·
59	59	GND	Ground
60	60	C_DOUT (8)	Back CIS CH1-8 digital data [8]
61	61	C_DOUT (9)	Back CIS CH1-8 digital data [9]
62	62	GND	Ground
63	63	D_DOUT (0)	Back CIS CH9-16 digital data [0]
64	64	D_DOUT (1)	Back CIS CH9-16 digital data [1]
65	65	D_DOUT (2)	Back CIS CH9-16 digital data [2]
66	66	D_DOUT (3)	Back CIS CH9-16 digital data [3]
67	67	GND	Ground
68	68	D_DOUT (4)	Back CIS CH9-16 digital data [4]
69	69	D_DOUT (5)	Back CIS CH9-16 digital data [5]
70	70	D_DOUT (6)	Back CIS CH9-16 digital data [6]
71	71	D_DOUT (7)	Back CIS CH9-16 digital data [7]
72	72	GND	Ground
73	73	D_DOUT (8)	Back CIS CH9-16 digital data [8]
74	74	D_DOUT (9)	Back CIS CH9-16 digital data [9]
75	75	GND	Ground
76	76 77	N.C.	Not used
77	77	+3VD	+3.3 V
78	78	+3VD	+3.3 V
79	79	MCLK_F	Front ADC master clock (20 MHz)
80	80	CLPIN_F	Front ADC sample/hold clamp pulse
81	81	BOS_F	Front ADC Begining of scan pulse
82	82	GND	Ground
83	83	MCLK_R	Back ADC master clock (20 MHz)
84	84	CLPIN_R	Back ADC sample/hold clamp pulse
85	85	BOS_R	Back ADC Begining of scan pulse
86	86	GND	Ground
87	87	+3VD	+3.3 V
88 89	88 89	+3VD CPU D (8)	+3.3 V
90	90	CPU D (9)	CPU data [8] CPU data [9]
91	91	CPU D (10)	CPU data [10]
92	92	CPU D (11)	CPU data [11]
93	93	CPU D (12)	CPU data [12]
94	94	CPU D (13)	CPU data [13]
95	95	CPU D (14)	CPU data [14]
96	96	CPU D (15)	CPU data [15]
97	97	GND	Ground
98	98	GND	Ground
99	99	CPU A (0)	CPU address [0]
100	100	CPU A (1)	CPU address [1]
101	101	CPU A (2)	CPU address [2]
102	102	CPU A (3)	CPU address [3]
103	103	CPU A (4)	CPU address [4]
104	104	CPU A (5)	CPU address [5]
105	105	CPU A (6)	CPU address [6]
106	106	CPU A (7)	CPU address [7]
107	107	CPU A (8)	CPU address [8]
108	108	CPU A (9)	CPU address [9]
109	109	Res (CPU A10)	Reserve (CPU address [10])
110	110	Res (CPU A11)	Reserve (CPU address [11])
111	111	+3VD	+3.3 V
112	112	+3VD	+3.3 V
113	113	*HWR	CPU high bite write strobe
114	114	*LWR	CPU low bite write strobe
115	115	*RD	CPU read strobe
116	116	*AS	CPU address strobe
	-	1	

Pin No.		Signal Name	Description
CN1000	CN2000		
117	117	GND	Ground
118	118	GND	Ground
119	119	*CS3	CPU area 3 chip select
120	120	*CS4	CPU area 4 chip select
121	121	*CS5SPC	SCSI chip select
122	122	*CSUSB	USB chip select
123	123	*IF _RD	INTERFACE Board version & SCSI-ID read
124	124	*TRMPWR	SCSI terminator power switch
125	125	R_MCLK	Carriage motor clock
126	126	C_MCLK	Conveyor motor clock
127	127	LED CLK	LED data control clock
128	128	LED DATA	LED data
129	129	*WAIT	CPU wait signal
130	130	GND	Ground
131	131	*INT0	CPU interrupt 0 (USB)
132	132	*INT1	CPU interrupt 1 (USB)
133	133	*INT3	CPU interrupt 3 (Front GA-SENSOR)
134	134	*INT4	CPU interrupt 4 (Back GA-SENSOR)
135	135	*INT5	CPU interrupt 5 (GA-IMAGE)
136	136	*RESET	System reset
137	137	TXD0	Serial interface TXD 0
138	138	RXD0	Serial interface RXD 0
139	139	GND	Ground
140	140	GND	Ground

CN1001 [CONTROL Board] - CN3004 [CIS RELAY Board] Signal Name Pin No. CN1001 CN3004 GND 26 Ground 1 2 **OS16** Back CIS CH16 output 25

3	24	GND	Ground
4	23	OS15	Back CIS CH15 output
5	22	GND	Ground
6	21	OS14	Back CIS CH14 output

21 OS14 20 **GND** 19 **OS13**

18 **GND** 17 **OS12** 16 **GND**

15 **OS11** 14 **GND**

13 OS10 12 **GND**

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CN1002

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Pin No.

CN3005

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OS9 **GND** OS8 8 **GND** 7 OS7

6 **GND**

5 OS6

GND 4 3 OS5

2 **GND**

OS4

OS3

GND

OS₂

GND

OS1

GND

*DUPLEX

A4/*A3

PHI_ICG

PHI ST

PHI_SH

PHI_CP-

PHI CP+

PHI_RS-

PHI_RS+

PHI_M-

PHI_M+

+12V_2

+12V 2

GND

5VP

5VP

GND

GND

Signal Name

Ground Ground

Ground

Ground

Ground

Ground

Ground

Ground

Ground

Ground

Ground

Ground

+5 V

+5 V

+12 V

+12 V

Back CIS exist

CIS size A4 or A3

Back CIS ICG pulse

Back CIS shift pulse

Back CIS storage pulse

Back CIS clamp pulse LVDS (-)

Back CIS clamp pulse LVDS (+) Back CIS reset pulse LVDS (-)

Back CIS reset pulse LVDS (+)

Back CIS clock LVDS (-) (5 MHz)

Back CIS clock LVDS (+) (5 MHz)

Back CIS CH3 output

Back CIS CH2 output

Back CIS CH1 output

Ground

Ground

Ground

Back CIS CH13 output

Back CIS CH12 output

Ground

Back CIS CH10 output Back CIS CH9 output Back CIS CH8 output

Back CIS CH11 output

Description

Back CIS CH7 output Back CIS CH6 output Back CIS CH5 output Back CIS CH4 output

Description

CN1002 [CONTROL Board] - CN3005 [CIS RELAY Board]

CN1006 [CONTROL Board] - CN4007 [DRIVE Board] Pin No. Signal Name Description CN1006 CN4007 24VIL +24 V (interlock switch) 1 1 2 2 PGND Ground +24V 3 3 +24 V 4 4 +14V +14 V GND 5 5 Ground 6 6 +5V +5 V 7 7 +5V +5 V 8 8 **GND** Ground 9 9 GND Ground 10 10 +3V +3.3 V +3V +3.3 V 11 11 12 12 GND Ground 13 13 GND Ground CN1007 [CONTROL Board] - CN4001 [DRIVE Board] Pin No. Signal Name Description CN1007 CN4001 36 12V OVP1 +12 V 1 2 35 12V OVP2 +12 V 3 34 DOOR1 ADF door switch (H: Door open) 4 33 DOOR2 (N.C.) Not used 5 32 (N.C.) Not used 6 31 BLAMP_ON Back lamp on DRIVE Board version [0] 7 30 DRV VER0 8 29 DRV VER1 DRIVE Board version [1] 9 28 Fan error **FANERR** 10 27 *SLEEP1 Sleep signal 1 11 26 *SLEEP3 Sleep signal 2 25 12 F M1 Feed motor mode [1] 13 F_M2 24 Feed motor mode [2] 14 23 F M3 Feed motor mode [3] 15 F CW 22 Feed motor CW/CCW 16 21 F ENABLE Feed motor enable 17 20 F_MCLK Feed motor clock F MVRE 18 19 Feed motor current control 19 18 **GND** Ground 20 17 C_M1 Conveyor motor mode [1] 21 16 C M2 Conveyor motor mode [2] 22 15 С М3 Conveyor motor mode [3] 23 C CW 14 Conveyor motor CW/CCW 13 24 C ENABLE Conveyor motor enable 25 12 C_MCLK Conveyor motor clock C MVRE 26 11 Conveyor motor current control 27 10 **GND** Ground 28 9 R_{M1} Carriage motor mode [1] 29 8 R_{M2} Carriage motor mode [2] 30 7 R M3 Carriage motor mode [3] 6 R_CW 31 Carriage motor CW/CCW 32 5 R ENABLE Carriage motor enable 33 4 R_MCLK Carriage motor clock 3 34 R MVRE Carriage motor current control 35 2 **GND** Ground 36 1 *RESET3 System reset

CN1008 [CONTROL Board] - CN4002 [DRIVE Board] Signal Name Pin No. Description CN4002 CN1008 FB_COVER Flatbed cover detect 1 14 GND 2 13 Ground 3 12 12V_1 +12 V 4 11 5V P +5 V 5 10 *KEY1 Key input 6 9 *LED RED LED (Red) enable 7 8 *LED GRN LED (Green) enable 8 7 **BUZZER** Buzzer 9 6 FBSIZE1 (N.C) Not used 5 10 FBSIZE2 (N.C) Not used 11 4 FBSIZE3 (N.C) Not used 3 12 FBSIZE4 (N.C) Not used 2 13 FBSIZE5 (N.C) Not used 14 1 FBSIZE6 (N.C) Not used

Description

Paper sensor (L: Paper exist)

Size detector 5 (H: Interception)

Size detector 4 (H: Interception)

Size detector 3 (H: Interception)

Retard release detector

Double feed detector gain

Double feed detector clock

Carriage home detector

+5 V

Starting sensor (H: Paper exist)

Skew left sensor (H: Paper exist)

Skew right sensor (H: Paper exist)

Hopper home detector

+5 V

Ground

Ground

5 PSIZE2 18 Size detector 2 (H: Interception) 6 17 PSIZE1 Size detector 1 (H: Interception) 7 16 5VSLP +5 V

Signal Name

CN1009 [CONTROL Board] - CN5022 [SENSOR RELAY Board]

*PEXIST

PSIZE5

PSIZE4

PSIZE3

5VSLP

GND

GND

PHEAD

SKEWL

SKEWR

JSGAIN1

JS_CLK

CRHOME

5VSLP

RETARD REL

HOPPER_HOME

Pin No.

CN5022 22

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CN1009

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16	/	PEXII	Ending sensor (H: Paper exist)
17	6	24VIL	+24 V (Interlock switch)
18	5	5VSLP	+5 V

21	2	GND	Ground
22	1	GND	Ground

CN1010 [CONTROL Board] - CN5035 [CARRIAGE HOME DETECTOR Board]

Pin No. Signal Name Description

CN1010 CN5035 1 GND Ground

CN1003 [CONTROL Board] - CN3001 [CARRIAGE RELAY Board] Signal Name Pin No. CN3001 CN1003 GND 32 Ground OS16 Front CIS CH16 output 2 31 3 GND 30 Ground

2

31

32

GND

OS1

4	29	OS15	Front CIS CH15 output
5	28	GND	Ground
6	27	OS14	Front CIS CH14 output
7	26	GND	Ground
8	25	OS13	Front CIS CH13 output
9	24	GND	Ground
10	23	OS12	Front CIS CH12 output
11	22	GND	Ground
12	21	OS11	Front CIS CH11 output

Description

11	22	GND	Ground
12	21	OS11	Front CIS CH11 output
13	20	GND	Ground
14	19	OS10	Front CIS CH10 output
15	18	GND	Ground
16	17	OS9	Front CIS CH9 output
17	16	GND	Ground
18	15	OS8	Front CIS CH8 output

16	17	OS9	Front CIS CH9 output
17	16	GND	Ground
18	15	OS8	Front CIS CH8 output
19	14	GND	Ground
20	13	OS7	Front CIS CH7 output
21	12	GND	Ground
22	11	OS6	Front CIS CH6 output
23	10	GND	Ground
24	9	OS5	Front CIS CH5 output
		an in	

۷۱	12	GND	Ground
22	11	OS6	Front CIS CH6 output
23	10	GND	Ground
24	9	OS5	Front CIS CH5 output
25	8	GND	Ground
26	7	OS4	Front CIS CH4 output
27	6	GND	Ground

25	8	GND	Ground
26	7	OS4	Front CIS CH4 output
27	6	GND	Ground
28	5	OS3	Front CIS CH3 output
		ONE	

27	6	GND	Ground
28	5	OS3	Front CIS CH3 output
29	4	GND	Ground
30	3	OS2	Front CIS CH2 output

Ground

Front CIS CH1 output

CN1015 [CONTROL Board] - CN3002 [CARRIAGE RELAY Board] Pin No. Signal Name

Pin	No.	Signal Name	Description
CN1015	CN3002		
1	22	PHI_ICG	Front CIS ICG pulse
2	21	GND	Ground
3	20	PHI_ST	Front CIS storage pulse
4	19	GND	Ground
5	18	PHI_SH	Front CIS shift pulse
6	17	GND	Ground
7	16	PHI_CP-	Front CIS clamp pulse LVDS (-)
8	15	PHI_CP+	Front CIS clamp pulse LVDS (+)
9	14	PHI_RS-	Front CIS reset pulse LVDS (-)
10	13	PHI_RS+	Front CIS reset pulse LVDS (+)
11	12	PHI_M-	Front CIS clock LVDS (-) (5 MHz)
12	11	PHI_M+	Front CIS clock LVDS (+) (5 MHz)
13	10	GND	Ground
14	9	5VP	+5 V
15	8	5VP	+5 V
16	7	12V_1	+12 V
17	6	12V_1	+12 V
18	5	PGND	Ground
19	4	PGND	Ground
20	3	+24V	+24 V
21	2	+24V	+24 V
22	1	FLAMP_ON5	Front lamp switch

CN1014 [CONTROL Board] - CN5004 [OUTER CONVEYOR RELAY Board] Pin No. Signal Name Description

JS_GAIN2

GND

2

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CN1014	CN5004		
1	30	+3V	+3.3 V
2	29	GND	Ground
3	28	IPD (15)	CPU data for imprinter [15]
4	27	IPD (14)	CPU data for imprinter [14]
5	26	IPD (13)	CPU data for imprinter [13]
6	25	IPD (12)	CPU data for imprinter [12]
7	24	IPD (11)	CPU data for imprinter [11]
8	23	IPD (10)	CPU data for imprinter [10]
9	22	IPD (9)	CPU data for imprinter [9]
10	21	IPD (8)	CPU data for imprinter [8]
11	20	IPADR (0)	CPU address for imprinter [0]
12	19	*IP_HWR	CPU write signal for imprinter
13	18	IMPCLK	Imprinter clock
14	17	*CSIMPR1	Imprnter chip select
15	16	*IP_RD	CPU read signal for imprinter
16	15	*RESET	System reset
17	14	GND	Ground
18	13	24VIL	+24 V (Interlock switch)
19	12	GND	Ground
20	11	5VSLP	+5 V
21	10	5VSLP	+5 V
22	9	STBY	Waiting sensor
23	8	HOPPER_POS (N.C.)	Not used
24	7	GND	Ground
25	6	GND	Ground
26	5	BKDOOR (N.C.)	Not used
27	4	12V_2	+12 V
28	3	JS_DATA	Double feed detector

Not used

Ground

CN2007 [INTERFACE Board]: DIMM			
Pin No.	Signal Name	Description	
1	VSS	Ground	
2	DQ0	SDRAM data [0]	
3	DQ1	SDRAM data [1]	
4	DQ2	SDRAM data [2]	
5	DQ3	SDRAM data [3]	
6	VDD	+3.3 V	
7	DQ4	SDRAM data [4]	
8	DQ5	SDRAM data [5]	
9	DQ6 DQ7	SDRAM data [6]	
11	DQ7	SDRAM data [7] SDRAM data [8]	
12	VSS	Ground	
13	DQ9	SDRAM data [9]	
14	DQ10	SDRAM data [10]	
15	DQ11	SDRAM data [10]	
16	DQ12	SDRAM data [11]	
17	DQ12	SDRAM data [13]	
18	VDD	+3.3 V	
19	DQ14	SDRAM data [14]	
20	DQ15	SDRAM data [15]	
21	CB0 (N.C.)	Not used	
22	CB1 (N.C.)	Not used	
23	vss	Ground	
24	N.C.	Not used	
25	N.C.	Not used	
26	VDD	+3.3 V	
27	*WE	DIMM write enable	
28	DQMB0	Byte data mask 0	
29	DQMB1	Byte data mask 1	
30	*CS0	Chip select 0	
31	DNU (N.C.)	Not used	
32	VSS	Ground	
33	A0	SDRAM address [0]	
34	A2	SDRAM address [2]	
35	A4	SDRAM address [4]	
36	A6	SDRAM address [6]	
37	A8	SDRAM address [8]	
38	A10 BA1	SDRAM address [10] Bank select address 1	
40	VDD	+3.3 V	
41	VDD	+3.3 V +3.3 V	
42	CLK0	Clock input 0	
43	VSS	Ground	
44	DNU (N.C.)	Not used	
45	*CS2	Chip select 2	
46	DQMB2	Byte data mask 2	
47	DQMB3	Byte data mask 3	
48	DNU (N.C.)	Not used	
49	VDD	+3.3 V	
50	N.C.	Not used	
51	N.C.	Not used	
52	CB2	Not used	
53	CB3	Not used	
54	VSS	Ground	
55	DQ16	SDRAM data [16]	
56	DQ17	SDRAM data [17]	
	<u> </u>		

Pin No.	Signal Name	Description
57	DQ18	SDRAM data [18]
58	DQ19	SDRAM data [19]
59	VDD	+3.3 V
60	DQ20	SDRAM data [20]
61	N.C.	Not used
62	N.C.	Not used
63	CKE1	Clock enable
64	VSS	Ground
65	DQ21	SDRAM data [21]
66	DQ22	SDRAM data [22]
67	DQ23	SDRAM data [23]
68	VSS	Ground
69	DQ24	SDRAM data [24]
70	DQ25	SDRAM data [25]
71	DQ26	SDRAM data [26]
72	DQ27	SDRAM data [27]
73	VDD	+3.3 V
74	DQ28	SDRAM data [28]
75	DQ29	SDRAM data [29]
76	DQ30	SDRAM data [30]
77	DQ31	SDRAM data [31]
78	VSS	Ground
79	CLK2	Clock input 2
80	N.C.	Not used
81	WP (N.C.)	Not used
82	SDA	Data input/output for serial presence detect
83	SCL	Clock input for serial presence detect
84	VDD	+3.3 V
85	VSS	Ground
86	DQ32	SDRAM data [32]
87	DQ33	SDRAM data [33]
88	DQ34	SDRAM data [34]
89	DQ35	SDRAM data [35]
90	VDD	+3.3 V
91	DQ36	SDRAM data [36]
92	DQ37	SDRAM data [37]
93	DQ38	SDRAM data [38]
94	DQ39	SDRAM data [39]
95	DQ40	SDRAM data [40]
96	VSS	Ground
97	DQ41	SDRAM data [41]
98	DQ42	SDRAM data [42]
99	DQ43	SDRAM data [43]
100	DQ44	SDRAM data [44]
101	DQ45	SDRAM data [45]
102	VDD	+3.3 V
103	DQ46	SDRAM data [46]
104	DQ47	SDRAM data [47]
105	CB4 (N.C.)	Not used
106	CB5 (N.C.)	Not used
107	VSS	Ground
108	N.C.	Not used
109	N.C.	Not used
110	VDD	+3.3 V
111	*CAS	Column address strobe
112	DQMB4	Byte data mask 4

Pin No.	Signal Name	Description
113	DQMB5	Byte data mask 5
114	*CS1	Chip select 1
115	*RAS	Row address strobe
116	VSS	Ground
117	A1	SDRAM address [1]
118	A3	SDRAM address [3]
119	A5	SDRAM address [5]
120	A7	SDRAM address [7]
121	A9	SDRAM address [9]
122	BA0	Bank select address 0
123	A11	SDRAM address [11]
124	VDD	+3.3 V
125	CK1	Clock input 1
126	A12	SDRAM address [12]
127	vss	Ground
128	CKE0	Clock enable 0
129	*CS3	Chip select 3
130	DQMB6	Byte data mask 6
131	DQMB7	Byte data mask 7
132	A13	SDRAM address [13]
133	VDD	+3.3 V
134	N.C.	Not used
135	N.C.	Not used
136	CB6	Not used
137	CB7	Not used
138	VSS	Ground
139	DQ48	SDRAM data [48]
140	DQ49	SDRAM data [49]
141	DQ50	SDRAM data [50]
142	DQ51	SDRAM data [51]
143	VDD	+3.3 V
144	DQ52	SDRAM data [52]
145	N.C.	Not used
146	N.C.	Not used
147	REGE (N.C.)	Not used
148	VSS	Ground
149	DQ53	SDRAM data [53]
150	DQ54	SDRAM data [54]
151	DQ55	SDRAM data [55]
152	VSS	Ground Ground
153	DQ56	SDRAM data {56]
154	DQ57	SDRAM data [57]
155	DQ58	SDRAM data [58]
156	DQ59	SDRAM data [59]
157	VDD	+3.3 V
158	DQ60	SDRAM data [60]
159	DQ61	SDRAM data [60]
160	DQ62	SDRAM data [62]
161	DQ63	SDRAM data [63]
162	VSS	Ground Ground
163	CK3	Clock input 3
163	N.C.	Not used
165	SA0	Address [0] input for EEPROM
166	SA1	Address [1] input for EEPROM
167	SA2	Address [2] input for EEPROM Address [2] input for EEPROM
		+3.3 V
168	VDD	+o.o v

CN2008 [INTERFACE Board]: SCSI Interface Pin No. Signal Name Description GND Ground 2 **GND** Ground 3 GND Ground 4 **GND** Ground 5 **GND** Ground 6 **GND** Ground 7 **GND** Ground 8 **GND** Ground 9 **GND** Ground 10 **GND** Ground 11 **GND** Ground 12 N.C. Not used N.C. 13 Not used 14 N.C. Not used 15 GND Ground GND Ground 16 17 **GND** Ground 18 GND Ground GND Ground 19 GND Ground 20 GND Ground 21 22 **GND** Ground 23 **GND** Ground 24 **GND** Ground 25 GND Ground 26 DB (0) SCSI data [0] 27 DB (1) SCSI data [1]

N.C. 37 38 39 40

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Pin No.

1 2

3

4

TERM_ POWER
N.C.
GND
*ATN

DB (2)

DB (3)

DB (4)

DB (5)

DB (6)

DB (7)

*DBP

GND

GND

GND *BSY *ACK

*C/D

*REQ

VBUS

DM

DP

GND

*I/O

*RST *MSG *SEL

SCSI control signal (Request)

USB bus detect signal

USB data -

USB data +

Ground

SCSI data [2]

SCSI data [3]

SCSI data [4]

SCSI data [5]

SCSI data [6]

SCSI data [7]

Ground Ground

Not used

Not used

Ground

Ground

SCSI data parity

Terminator power

SCSI control signal (Busy) SCSI control signal (Acknowledge) SCSI control signal (Reset) SCSI control signal (Message) SCSI control signal (Select) SCSI control signal (Control/Data)

SCSI control signal (Attention)

Description

SCSI control signal (Input/Output)

CN2009 [INTERFACE Board]: USB Interface Signal Name

CN3003 [CARRIAGE RELAY Board] - CIS (Front) Signal Name Pin No. Description CN3003 CIS (Front) 1 **GND** Ground OS16 2 Front CIS CH16 output OS15 Front CIS CH15 output 3 4 GND Ground 5 **OS14** Front CIS CH14 output OS13 Front CIS CH13 output 6 7 GND Ground 8 **OS12** Front CIS CH12 output 9 **OS11** Front CIS CH11 output 10 **GND** Ground 11 OS10 Front CIS CH10 output 12 OS9 Front CIS CH9 output 13 **GND** Ground Front CIS CH8 output 14 OS8 15 OS7 Front CIS CH7 output 16 GND Ground 17 OS6 Front CIS CH6 output OS5 Front CIS CH5 output 18 19 GND Ground 20 OS4 Front CIS CH4 output OS3 21 Front CIS CH3 output 22 **GND** Ground OS2 23 Front CIS CH2 output 24 OS₁ Front CIS CH1 output 25 **GND** Ground 26 PHI ICG Front CIS ICG pulse 27 PHI_ST Front CIS storage pulse 28 PHI SH Front CIS shift pulse 29 **GND** Ground 30 PHI_CP-Front CIS clamp pulse LVDS (-) PHI CP+ Front CIS clamp pulse LVDS (+) 31 32 PHI RS-Front CIS reset pulse LVDS (-) 33 PHI RS+ Front CIS reset pulse LVDS (+) 34 PHI_M-Front CIS clock LVDS (-) (5 MHz) 35 PHI M+ Front CIS clock LVDS (+) (5 MHz) 36 **GND** Ground +5 V 37 5VP +5 V 5VP 38 39 12V_1 +12 V 12V_1 40 +12 V CN3000 [CARRIAGE RELAY Board] - Lamp Drive Board (for front side) Signal Name Pin No. Description CN3000 **Lamp Drive** +24V +24 V 1 Front lamp switch (H: Lamp ON) 2 FLAMP_ON5

Ground

3

GND

CN3006 [CIS RELAY Board] - CIS (Back)				
Pin	No.	Signal Name	Description	
CN3006	CIS (Back)	7		
1	-	12V_2	+12 V	
2	-	12V_2	+12 V	
3	-	5VP	+5 V	
4	-	5VP	+5 V	
5	-	GND	Ground	
6	-	PHI_M+	Back CIS clock LVDS (+) (5 MHz)	
7	-	PHI_M-	Back CIS clock LVDS (-) (5 MHz)	
8	-	PHI_RS+	Back CIS reset pulse LVDS (+)	
9	-	PHI_RS-	Back CIS reset pulse LVDS (-)	
10	-	PHI_CP+	Back CIS clamp pulse LVDS (+)	
11	-	PHI_CP-	Back CIS clamp pulse LVDS (-)	
12	-	GND	Ground	
13	-	PHI_SH	Back CIS shift pulse	
14	-	PHI_ST	Back CIS storage	
15	-	PHI_ICG	Back CIS ICG pulse	
16	-	GND	Ground	
17	-	OS1	Back CIS CH1 output	
18	-	OS2	Back CIS CH2 output	
19	-	GND	Ground	
20	-	OS3	Back CIS CH3 output	
21	-	OS4	Back CIS CH4 output	
22	-	GND	Ground	
23	-	OS5	Back CIS CH5 output	
24	-	OS6	Back CIS CH6 output	
25	-	GND	Ground	
26	-	OS7	Back CIS CH7 output	
27	-	OS8	Back CIS CH8 output	
28	-	GND	Ground	
29	-	OS9	Back CIS CH9 output	
30	-	OS10	Back CIS CH10 output	
31	-	GND	Ground	
32	-	OS11	Back CIS CH11 output	
33	-	OS12	Back CIS CH12 output	
34	-	GND	Ground	
35	-	OS13	Back CIS CH13 output	
36	-	OS14	Back CIS CH14 output	
37	-	GND	Ground	
38	-	OS15	Back CIS CH15 output	
39	-	OS16	Back CIS CH16 output	
40	-	GND	Ground	
	CN5029 [POWER RELAY Board] - Lamp Drive Board (for back side)			
Pin		Signal Name	Description	
CN5029	Lamp Drive	la n m		
1	-	24VIL	+24 V (Interlock switch)	
2	-	BLAMP_ON5	Back lamp switch (H: Lamp ON)	
3	-	GND	Ground	

CN4004 [DRIVE Board] - CN5023 [PANEL Board] Signal Name Pin No. Description CN4004 CN5023 1 **BUZZER** Buzzer 1 2 2 GRN LED LED (Green) enable (L: LED lighting) LED (Red) enable (L: LED lighting) 3 3 RED_LED KEY1 Key input (L: Key push) 4 4 5VP 5 5 +5 V 6 12V 1 +12 V 6 7 7 GND Ground 8 8 **GND** Ground CN4010 [DRIVE Board] - Carriage Motor Pin No. Signal Name Description CN4010 **Carriage Motor** *RA Carriage motor phase (A-) 2 N.C. Not used 3 **RCOMA** +24 V (Fuse) 4 Carriage motor phase (A+) RA *RB Carriage motor phase (B-) 5 6 **RCOMB** +24 V (Fuse) 7 RB Carriage motor phase (B+) 8 N.C. Not used CN4008 [DRIVE Board] - CN5025 [POWER RELAY Board] Pin No. Signal Name Description CN5025 CN4008 **GND** Ground 1 1 2 BLAMP ŌN5 Back lamp switch 2 3 3 *CA Conveyor Motor phase (A-) 4 4 CCOMA_MB +24 V (Interlock switch and Fuse) 5 5 CA Conveyor Motor phase (A+) *CB 6 6 Conveyor motor phase (B-) 7 7 CCOMA_MB +24 V (interlock switch and Fuse) 8 8 CB Conveyor motor phase (B+) 9 9 *FA Feed motor phase (A-) +24 V (interlock switch and Fuse) 10 10 FCOMA MB 11 11 lFΑ Feed motor phase (A+) *FB Feed motor phase (B-) 12 12 13 13 FCOMA MB +24 V (interlock switch and Fuse) 14 14 lFΒ Feed motor phase (B+) CN4005 [DRIVE Board] - CN5036 [POWER RELAY Board] Pin No. Signal Name Description CN4005 CN5036 24V +24 V 2 2 24VIL +24 V (Interlock switch) CN5034 [DOCUMENT COVER DETECTOR Board] - CN4017 [DRIVE Board]

Signal Name

Ground

+5 V

+5 V

Flatbed cover detect (L: Cover open)

Description

Pin No.

CN4017

1

2

3

4

GND

5VP

5VP

FB COVER

CN5034

1

2

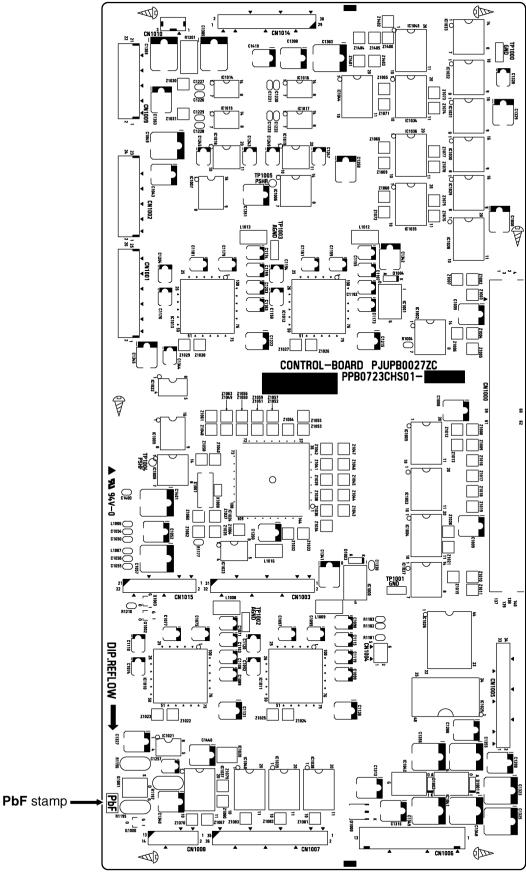
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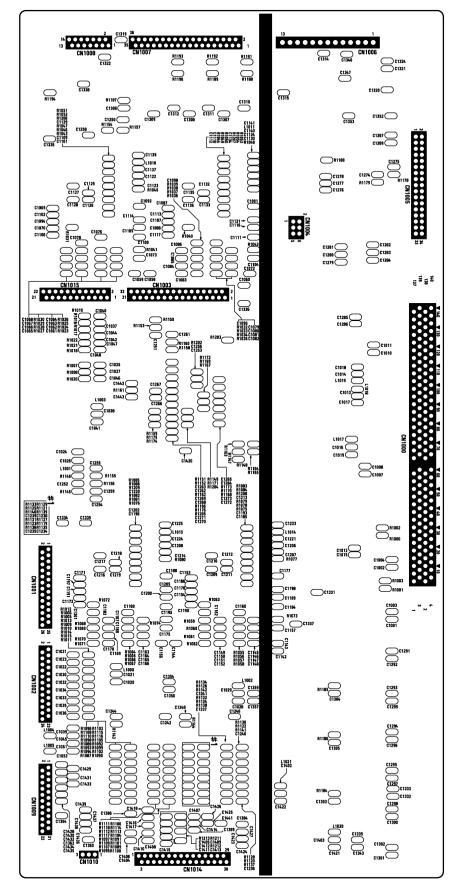
CN801 [POWER Board] - Inlet						
Pin	No.	Signal Name	Description			
CN801	Inlet					
1	-	NEUTRAL	Neutral			
2	-	N.C.	Not used			
3	-	LIVE	Live			
_	CN802 [POWER Board] - CN4003 [DRIVE Board]					
CN802	No. CN4003	Signal Name	Description			
1	1	OVP+	Over voltage protect			
2	2	P_FANERR (N.C.)	Not used			
3	3	GND	Ground			
4	4	GND	Ground			
5	5	GND	Ground			
6	6	+24VPWR	+24 V			
7	7	+24VPWR	+24 V			
8	8	+24VPWR	+24 V			
9	9	*SLEEP_PWR	Sleep POWER (L: Sleep mode)			
10	10	OVP-	Over Voltage Protect			
	10	JOVF-	Over voltage Protect			
CN803 [POWER	R Board] - FAN					
-	No.	Signal Name	Description			
CN803	FAN					
1	-	FAN+	Fan plus power (+24 V)			
2	-	N.C.	Not used			
3	-	FAN-	Fan minus power			
			CN5028 [POWER RELAY Board] - Door Switch			
		· _	5			
Pin	No.	rd] - Door Switch Signal Name	Description			
Pin CN5028		Signal Name	·			
Pin CN5028	No.	Signal Name	+24 V (Interlock switch: +24 V IN)			
Pin CN5028 1 2	No. Door Switch	Signal Name 24V 24VDOOR	+24 V (Interlock switch: +24 V IN) +24 V (Interlock switch)			
Pin CN5028 1 2 3	No. Door Switch	Signal Name 24V 24VDOOR 24VDOOR	+24 V (Interlock switch: +24 V IN) +24 V (Interlock switch) +24 V (Interlock switch)			
Pin CN5028 1 2	No. Door Switch	Signal Name 24V 24VDOOR	+24 V (Interlock switch: +24 V IN) +24 V (Interlock switch)			
Pin CN5028 1 2 3 4 CN5031 [POWE	No. Door Switch	Signal Name 24V 24VDOOR 24VDOOR 24VIL rd] - Conveyor Motor	+24 V (Interlock switch: +24 V IN) +24 V (Interlock switch) +24 V (Interlock switch) +24 V (Interlock switch: +24 V OUT)			
Pin CN5028 1 2 3 4 CN5031 [POWE	No. Door Switch ER RELAY Boar	Signal Name 24V 24VDOOR 24VDOOR 24VIL	+24 V (Interlock switch: +24 V IN) +24 V (Interlock switch) +24 V (Interlock switch)			
Pin CN5028 1 2 3 4 CN5031 [POWE	No. Door Switch	Signal Name 24V 24VDOOR 24VDOOR 24VIL rd] - Conveyor Motor Signal Name	+24 V (Interlock switch: +24 V IN) +24 V (Interlock switch) +24 V (Interlock switch) +24 V (Interlock switch: +24 V OUT) Description			
Pin CN5028 1 2 3 4 CN5031 [POWE Pin CN5031	No. Door Switch	Signal Name 24V 24VDOOR 24VDOOR 24VIL rd] - Conveyor Motor Signal Name *CA	+24 V (Interlock switch: +24 V IN) +24 V (Interlock switch) +24 V (Interlock switch) +24 V (Interlock switch: +24 V OUT) Description Conveyor motor phase (A-)			
CN5031 [POWE Pin CN5031 1 2	No. Door Switch	Signal Name 24V 24VDOOR 24VDOOR 24VDOOR 24VIL rd] - Conveyor Motor Signal Name *CA CCOMA	+24 V (Interlock switch: +24 V IN) +24 V (Interlock switch) +24 V (Interlock switch) +24 V (Interlock switch: +24 V OUT) Description Conveyor motor phase (A-) +24 V (interlock switch and Fuse)			
CN5028 1 2 3 4 CN5031 [POWE Pin CN5031 1 2 3	No. Door Switch	Signal Name 24V 24VDOOR 24VDOOR 24VIL rd] - Conveyor Motor Signal Name *CA CCOMA CA	+24 V (Interlock switch: +24 V IN) +24 V (Interlock switch) +24 V (Interlock switch) +24 V (Interlock switch: +24 V OUT) Description Conveyor motor phase (A-) +24 V (interlock switch and Fuse) Conveyor motor phase (A+)			
Pin CN5028 1 2 3 4 CN5031 [POWE Pin CN5031 1 2 3 4	No. Door Switch ER RELAY Boar No. Conveyor Motor	Signal Name 24V 24VDOOR 24VDOOR 24VIL rd] - Conveyor Motor Signal Name *CA CCOMA CA *CB	+24 V (Interlock switch: +24 V IN) +24 V (Interlock switch) +24 V (Interlock switch) +24 V (Interlock switch: +24 V OUT) Description Conveyor motor phase (A-) +24 V (interlock switch and Fuse) Conveyor motor phase (A+) Conveyor motor phase (B-)			
Pin CN5028 1 2 3 4 CN5031 [POWE Pin CN5031 1 2 3 4 5	No. Door Switch ER RELAY Boar No. Conveyor Motor	Signal Name 24V 24VDOOR 24VDOOR 24VDOOR 24VIL rd] - Conveyor Motor Signal Name *CA CCOMA CA *CB CCOMB	+24 V (Interlock switch: +24 V IN) +24 V (Interlock switch) +24 V (Interlock switch) +24 V (Interlock switch: +24 V OUT) Description Conveyor motor phase (A-) +24 V (interlock switch and Fuse) Conveyor motor phase (A+) Conveyor motor phase (B-) +24 V (interlock switch and Fuse)			
Pin CN5028 1 2 3 4 CN5031 [POWE Pin CN5031 1 2 3 4	No. Door Switch ER RELAY Boar No. Conveyor Motor	Signal Name 24V 24VDOOR 24VDOOR 24VIL rd] - Conveyor Motor Signal Name *CA CCOMA CA *CB	+24 V (Interlock switch: +24 V IN) +24 V (Interlock switch) +24 V (Interlock switch) +24 V (Interlock switch: +24 V OUT) Description Conveyor motor phase (A-) +24 V (interlock switch and Fuse) Conveyor motor phase (A+) Conveyor motor phase (B-)			
Pin CN5028 1 2 3 4	No. Door Switch	Signal Name 24V 24VDOOR 24VDOOR 24VDOOR 24VIL rd] - Conveyor Motor Signal Name *CA CCOMA CCA *CB CCOMB CB CB rd] - Paper Feed Motor	+24 V (Interlock switch: +24 V IN) +24 V (Interlock switch) +24 V (Interlock switch) +24 V (Interlock switch: +24 V OUT) Description Conveyor motor phase (A-) +24 V (interlock switch and Fuse) Conveyor motor phase (A+) Conveyor motor phase (B-) +24 V (interlock switch and Fuse) Conveyor motor phase (B-) -24 V (interlock switch and Fuse) Conveyor motor phase (B+)			
Pin CN5028 1 2 3 4	No. Door Switch	Signal Name 24V 24VDOOR 24VDOOR 24VDOOR 24VIL rd] - Conveyor Motor Signal Name *CA CCOMA CA *CB CCOMB CB rd] - Paper Feed Motor Signal Name	+24 V (Interlock switch: +24 V IN) +24 V (Interlock switch) +24 V (Interlock switch) +24 V (Interlock switch: +24 V OUT) Description Conveyor motor phase (A-) +24 V (interlock switch and Fuse) Conveyor motor phase (A+) Conveyor motor phase (B-) +24 V (interlock switch and Fuse)			
Pin CN5028 1 2 3 4	No. Door Switch	Signal Name 24V 24VDOOR 24VDOOR 24VDOOR 24VIL rd] - Conveyor Motor Signal Name *CA CCOMA CA *CB CCOMB CB rd] - Paper Feed Motor Signal Name	+24 V (Interlock switch: +24 V IN) +24 V (Interlock switch) +24 V (Interlock switch) +24 V (Interlock switch: +24 V OUT) Description Conveyor motor phase (A-) +24 V (interlock switch and Fuse) Conveyor motor phase (A+) Conveyor motor phase (B-) +24 V (interlock switch and Fuse) Conveyor motor phase (B-) Conveyor motor phase (B-) +24 V (interlock switch and Fuse) Conveyor motor phase (B+)			
Pin CN5028 1 2 3 4 CN5031 [POWE Pin CN5031 1 2 3 4 5 6 CN5032 [POWE Pin CN5032	No. Door Switch	Signal Name 24V 24VDOOR 24VDOOR 24VDOOR 24VIL rd] - Conveyor Motor Signal Name *CA CCOMA CA *CB CCOMB CB rd] - Paper Feed Motor Signal Name *FA	+24 V (Interlock switch: +24 V IN) +24 V (Interlock switch) +24 V (Interlock switch) +24 V (Interlock switch: +24 V OUT) Description Conveyor motor phase (A-) +24 V (interlock switch and Fuse) Conveyor motor phase (A+) Conveyor motor phase (B-) +24 V (interlock switch and Fuse) Conveyor motor phase (B-) +24 V (interlock switch and Fuse) Conveyor motor phase (B+) Description Feed motor phase (A-)			
Pin CN5028 1 2 3 4 CN5031 [POWE Pin CN5031 1 2 3 4 5 6 CN5032 [POWE Pin CN5032 1 2	No. Door Switch	Signal Name 24V 24VDOOR 24VDOOR 24VDOOR 24VIL rd] - Conveyor Motor Signal Name *CA CCOMA CA *CB CCOMB CB rd] - Paper Feed Motor Signal Name *FA N.C.	+24 V (Interlock switch: +24 V IN) +24 V (Interlock switch) +24 V (Interlock switch) +24 V (Interlock switch: +24 V OUT) Description Conveyor motor phase (A-) +24 V (interlock switch and Fuse) Conveyor motor phase (A+) Conveyor motor phase (B-) +24 V (interlock switch and Fuse) Conveyor motor phase (B-) +24 V (interlock switch and Fuse) Conveyor motor phase (B+) Description Feed motor phase (A-) Not used			
Pin CN5028 1 2 3 4 CN5031 [POWE Pin CN5031 1 2 3 4 5 6 CN5032 [POWE Pin CN5032 1 2 3 4 5 6	No. Door Switch ER RELAY Boar No. Conveyor Motor	Signal Name 24V 24VDOOR 24VDOOR 24VDOOR 24VIL rd] - Conveyor Motor Signal Name *CA CCOMA CA *CB CCOMB CB rd] - Paper Feed Motor Signal Name *FA N.C. FCOMA	+24 V (Interlock switch: +24 V IN) +24 V (Interlock switch) +24 V (Interlock switch) +24 V (Interlock switch: +24 V OUT) Description Conveyor motor phase (A-) +24 V (interlock switch and Fuse) Conveyor motor phase (B-) +24 V (interlock switch and Fuse) Conveyor motor phase (B-) +24 V (interlock switch and Fuse) Conveyor motor phase (B-) +24 V (interlock switch and Fuse) Conveyor motor phase (B+) Description Feed motor phase (A-) Not used +24 V			
Pin CN5028 1 2 3 4 CN5031 [POWE Pin CN5031 1 2 3 4 5 6 CN5032 [POWE Pin CN5032 1 2 3 4 4 5 6	No. Door Switch ER RELAY Boar No. Conveyor Motor	Signal Name 24V 24VDOOR 24VDOOR 24VDOOR 24VIL rd] - Conveyor Motor Signal Name *CA CCOMA CA *CB CCOMB CB rd] - Paper Feed Motor Signal Name *FA N.C. FCOMA FA	+24 V (Interlock switch: +24 V IN) +24 V (Interlock switch) +24 V (Interlock switch) +24 V (Interlock switch: +24 V OUT) Description Conveyor motor phase (A-) +24 V (interlock switch and Fuse) Conveyor motor phase (B-) Conveyor motor phase (B-) +24 V (interlock switch and Fuse) Conveyor motor phase (B-) +24 V (interlock switch and Fuse) Conveyor motor phase (B+) Description Feed motor phase (A-) Not used +24 V Feed motor phase (A+)			
Pin CN5028 1 2 3 4 5 6 CN5032 POWE	No. Door Switch ER RELAY Boar No. Conveyor Motor	Signal Name 24V 24VDOOR 24VDOOR 24VDOOR 24VIL rd] - Conveyor Motor Signal Name *CA CCOMA CA *CB CCOMB CB rd] - Paper Feed Motor Signal Name *FA N.C. FCOMA FA *FB	+24 V (Interlock switch: +24 V IN) +24 V (Interlock switch) +24 V (Interlock switch) +24 V (Interlock switch: +24 V OUT) Description Conveyor motor phase (A-) +24 V (interlock switch and Fuse) Conveyor motor phase (B-) +24 V (interlock switch and Fuse) Conveyor motor phase (B-) +24 V (interlock switch and Fuse) Conveyor motor phase (B-) Pescription Feed motor phase (A-) Not used +24 V Feed motor phase (A+) Feed motor phase (B-) Feed motor phase (B-)			
Pin CN5028 1 2 3 4 CN5031 [POWE Pin CN5031	No. Door Switch ER RELAY Boar No. Conveyor Motor	Signal Name 24V 24VDOOR 24VDOOR 24VDOOR 24VIL rd] - Conveyor Motor Signal Name *CA CCOMA CA *CB CCOMB CB rd] - Paper Feed Motor Signal Name *FA N.C. FCOMA FA	+24 V (Interlock switch: +24 V IN) +24 V (Interlock switch) +24 V (Interlock switch) +24 V (Interlock switch: +24 V OUT) Description Conveyor motor phase (A-) +24 V (interlock switch and Fuse) Conveyor motor phase (B-) Conveyor motor phase (B-) +24 V (interlock switch and Fuse) Conveyor motor phase (B-) +24 V (interlock switch and Fuse) Conveyor motor phase (B+) Description Feed motor phase (A-) Not used +24 V Feed motor phase (A+)			

CN5001 [OUTER CONVEYOR RELAY Board] - Double Feed Detector (R)				
Pin No.		Signal Name	Description	
CN5001	Double Feed			
	Detector (R)	<u> </u>		
1	-	USOUND_R1	Double feed detector (Receiver1)	
2	-	USOUND_R2	Double feed detector (Receiver2)	
			CONVEYOR RELAY Board]	
	No.	Signal Name	Description	
CN5006	CN5002			
1	1	5VSLP	+5 V	
2	2	STBY	Waiting sensor (H: Paper exist)	
3	3	GND	Ground	
CN5003 [OLITE	R CONVEYOR	RELAY Board] - Imprinte	r (Ontion)	
	No.	Signal Name	Description	
CN5003	Imprinter	_ Signal Name	Description	
1	1 1	+3V	+3.3 V	
2	2	GND	Ground	
3	3	IPD (15)	CPU data for imprinter [15]	
4	4	IPD (15)	CPU data for imprinter [15]	
5	5	IPD (14)	CPU data for imprinter [14]	
6	6	IPD (13)	CPU data for imprinter [13]	
7	7	IPD (12)	CPU data for imprinter [12]	
8	8	IPD (11)	CPU data for imprinter [11]	
9	9	IPD (10)	CPU data for imprinter [10]	
10	10	IPD (8)	CPU data for imprinter [8]	
11	11	IPADR (0)	CPU address for imprinter [0]	
12	12	*IP_HWR	CPU write signal for imprinter	
13	13	IMPCLK	Imprinter clock	
14	14	*CSIMPR	Imprinter clock Imprinter chip select	
15	15	*IP_RD	CPU read signal for imprinter	
16	16	*RESET	System reset	
17	17	GND	Ground	
18	18	+24VIL	+24 V (Interlock switch)	
10	10	TC7VIL	TET V (IIILEIIUUN SWILCII)	
CN5015 [ENDING SENSOR Board] - CN5016 [SENSOR RELAY Board]				
Pin		Signal Name	Description	
CN5015	CN5016			
1	1	5VSLP	+5 V	
2	2	PEXIT	Ending sensor (H: Paper exist)	
3	3	GND	Ground	
CN5012 [STARTING SENSOR Board] - CN5017 [SENSOR RELAY Board]				
Pin	No.	Signal Name	Description	
CN5012	CN5017	1		
1	1	5VSLP	+5 V	
2	2	SKEWR	Skew sensor (Right) H: Paper exist	
3	3	PHEAD	Starting sensor H: Paper exist	
4	4	SKEWL	Skew sensor (Left) H: Paper exist	
5	5	GND	Ground	

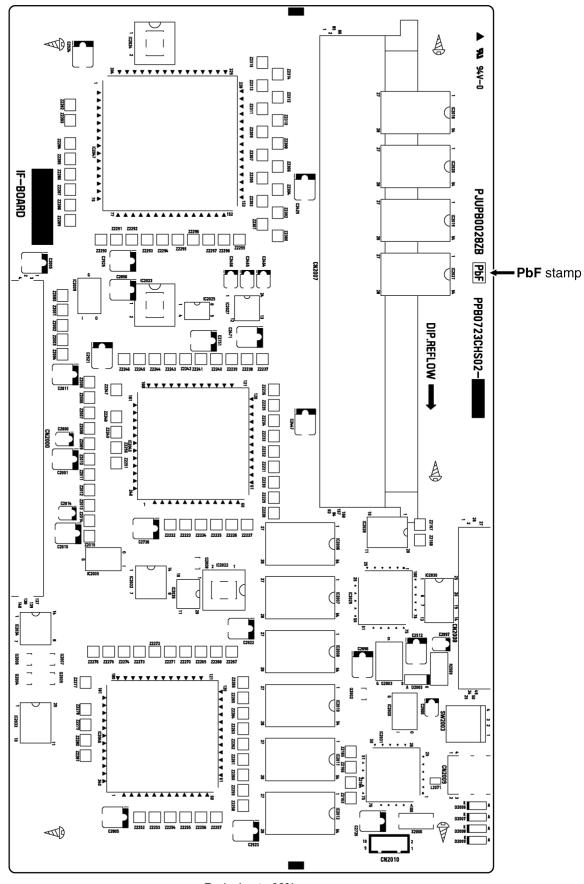
CN5007 [HOPPER HOME DETECTOR Board] - CN5018 [SENSOR RELAY Board]				
No.	Signal Name	Description		
CN5018	7			
1	5VSLP	+5 V		
2	5VSLP	+5 V		
		Hopper home detector (H: Home position)		
		Ground		
etector (G) - C				
No.	Signal Name	Description		
CN5021	7			
1	USOUND_S1	Double feed detector (Generator1)		
2		Double feed detector (Generator2)		
ER RELAY Bo		RELAY Board] Description		
CN5020	7 -	·		
1	PSIZE4	Size detector 4 (H: Interception)		
2	PSIZE2	Size detector 2 (H: Interception)		
	· · · · · · · · · · · · · · · · · · ·	+5 V		
		+5 V		
		Paper sensor		
		Size detector 5 (H: Interception)		
		Size detector 3 (H: Interception)		
		Size detector 3 (1. Interception)		
		Ground		
		Ground		
-	DETECTOR Board]			
No.	Signal Name	Description		
1		+5 V		
2		Paper sensor (L: Paper exist)		
3	GND	Ground		
4	FG	Frame Ground (to Plate)		
CN5010 [SIZE DETECTOR Board] - CN5013 [HOPPER RELAY Board]				
	Signal Name	Description		
1	PSIZE1	Size detector 1 (H: Interception)		
2	GND	Ground		
3	PSIZE3	Size detector 3 (H: Interception)		
4	GND	Ground		
5	PSIZE5	Size detector 5 (H: Interception)		
6	5VSLP	+5 V		
7	*PEXIST	Paper sensor (L: Paper exist)		
8	5VSLP	+5 V		
9		Size detector 4 (H: Interception)		
		Size detector 2 (H: Interception)		
	No. CN5018 1 2 3 4 Etector (G) - C No. CN5021 1 2 ER RELAY Bo No. CN5020 1 2 3 4 5 6 7 8 9 10 CN5011 [SIZE No. CN5011 1 2 3 4 DETECTOR Bo No. CN5013 1 2 3 4 5 6 7 8 8	No.		



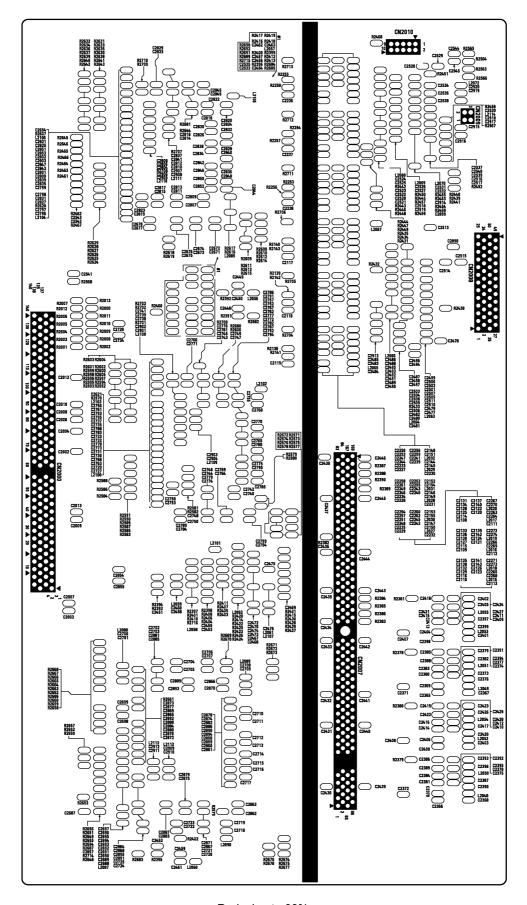
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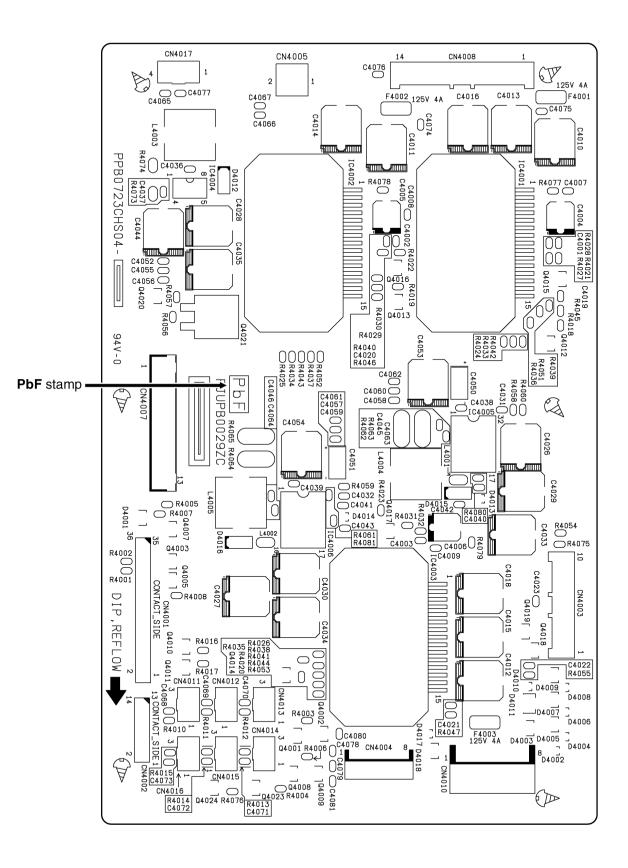
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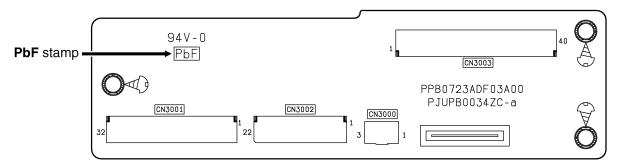


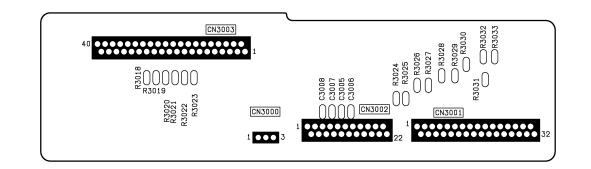
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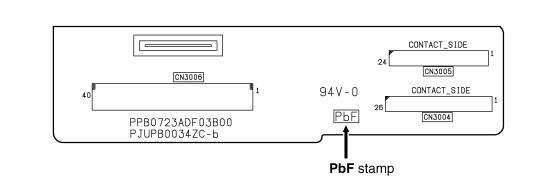


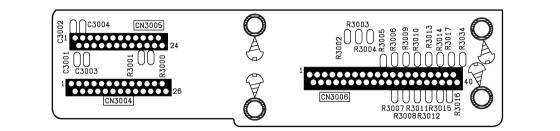
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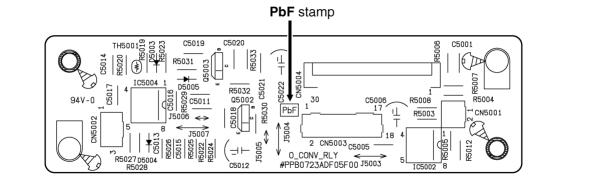


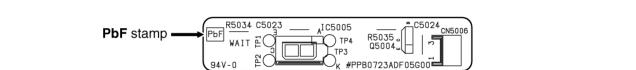


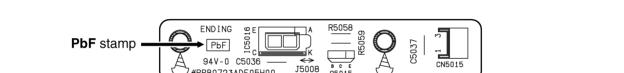


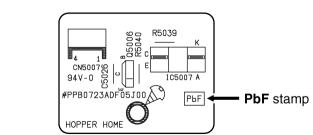


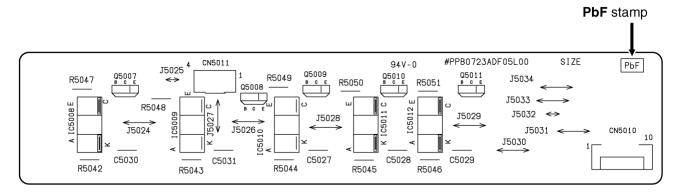


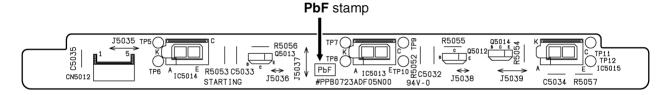




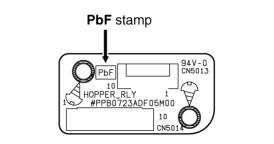


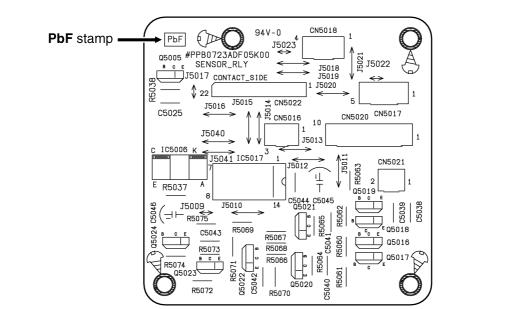


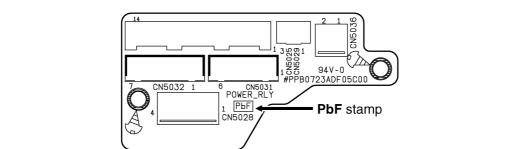


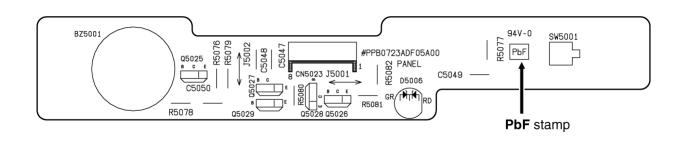


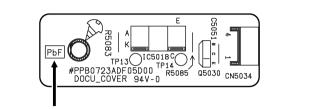
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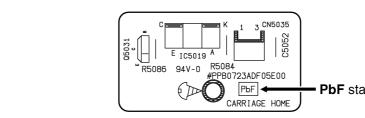




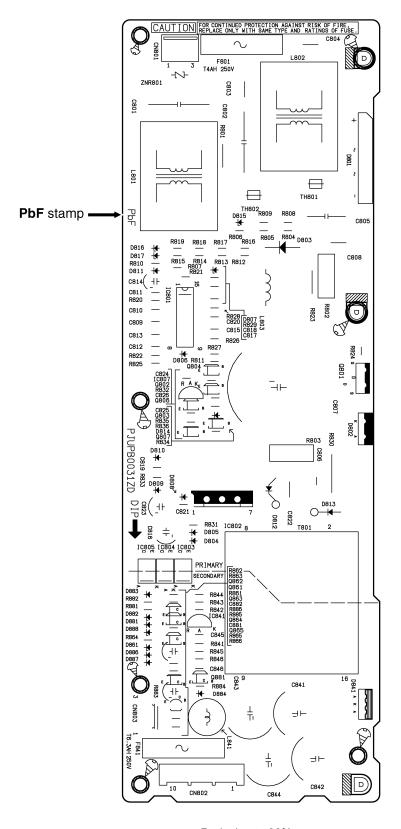




PbF stamp



─ PbF stamp



Reducing to 80%.

